

Gene Screen

The invention relates to a screen for the identification of genes which show regulated expression in response to carbon source utilisation.

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Colorectal cancer is a cancer which occurs in the large intestine and rectum. The colon can be divided into effectively four sections; the ascending colon; the transverse colon; the descending colon; and the sigmoid colon. Most colorectal cancers arise in the sigmoid colon and develop from "polyps" which can grow for 10 several years before becoming cancerous. The early detection of these pre-cancerous growths is obviously desirable since removal of the polyps is a very effective means to stem the progress of disease.

There are various types of colorectal cancer. Most cancers of this type are 15 adenocarcinomas which are malignant growths which begin in the epithelial cells which line the colon and rectum. Other cancers of the colon and rectum include gastrointestinal stromal tumours and lymphomas. In some examples the patient can be asymptomatic and for this reason it is important that screening is undertaken to identify those patients in which pre-cancerous polyps are forming. However, some 20 patients do present with symptoms and these include rectal bleeding, diarrhoea, constipation, abdominal pain, and general weakness.

As mentioned above, regular screening is by far the most effective way of controlling this disease since removal of pre-cancerous polyps by surgery can effectively cure 25 any disease before it is initiated. Currently, diagnostic tests include the use of colonoscopy, which allows a doctor to examine the rectum and colon; faecal blood analysis to check for any bleeding from the bowel and rectal area although this test is not directly diagnostic for cancerous lesion in its own right; and sigmoidoscopy which is similar to colonoscopy but only investigates the lower bowel area. 30 Typically, patients with a family history of colorectal cancer can be expected to have

a colonoscopy every 5 years or so and a blood stool check on a yearly basis from about the age of 40.

The treatment of colorectal cancer usually involves invasive surgery to remove 5 polyps and/or malignant growths. If the cancer has developed beyond the polyp stage then more extensive surgery is required which can result in removal of part of the bowel and surrounding lymph nodes. In the situation where a cancer necessitates extensive surgery a colostomy stoma may be required, at least for a period, to allow the bowel to recover from surgery. Surgery in the rectal region is more complicated 10 and is largely dependent on how far the disease has progressed. In some cases the surgery can damage nerves which control sexual and urinary functions. In advanced stage colorectal cancers metastatic lesions may require removal and in about 15% of cases the lesions are in the liver which requires removal of large parts of the liver. The surgical removal of polyps and/or cancerous growths leads to a good prognosis 15 for patients. In some cases surgery is followed by a course of chemotherapy (for colon cancer) and chemotherapy and radiation therapy (rectal cancer) to remove any cancer cells not detected during surgery. The chemotherapeutic agents typically used to treat colorectal cancer include 5-fluorouracil, leucovorin, irinotecan and capecitabine.

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It is apparent that the early detection of cells which are pre-cancerous is highly desirable since in most cases surgery to remove these cells results in a very good prognosis for patients. Diagnostic tests which use the detection of cancer markers as an early indicator of cancer are known in the art.

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For example, EP1355149 describes gene expression profiles from colorectal samples to provide a “finger print” expression profile as an indication of whether a patient is susceptible to the development of colorectal cancer or indeed if malignant growth has already been initiated. The disclosure in EP1355149 is directed to the use of 30 microarrays to compare transformed and non-transformed tissue gene expression in a global sense.

- WO02/059609 also describes a gene screen which utilises expression profiles in breast and colorectal cancer. A comparison is made between "normal" and "abnormal" samples in patients to provide a global picture of gene expression in 5 these samples as an indicator of particular genes which are either over-expressed or abrogated between samples. Both EP1355149 and WO02/059609 take a shot gun approach to screening for target genes which can be used either as a diagnostic tool or as a target for the development of new chemotherapeutic agents.
- 10 The present invention provides a targeted screen for genes the expression of which may be altered in a response to carbon source. The invention makes use of the differences in expression profiles between normal and diseased tissue as a consequence of differences in metabolic state between cancer cells and normal cells due in part to carbon source utilisation by these respective cell types. The epithelial 15 cells which line the colon and rectum metabolise butyrate as a carbon source for energy transduction via glycolysis. The main carbon source utilised by tumour cells is glucose. Consequently, expression profiles between these cell types are different due to the differences in carbon source metabolism.
- 20 We have identified a large number of potential markers of colorectal cancer which have utility with respect to the early diagnosis of disease and as targets for the development of novel chemotherapeutic agents. Moreover, this assay has broader applicability to conditions resulting from dysfunction of the bowel (e.g colitis, ulcerative colitis, diversion colitis. Crohn's disease and irritable bowel syndrome. In 25 addition the assay provides a screening tool for fibre consumption and as an assay for colon microflora functionality (the effectiveness of fermentation of specific fibres) .

According to an aspect of the invention there is provided a method to screen for nucleic acid molecules which show altered expression in an isolated first cell sample 30 comprising comparing the gene expression profiles between said first cell sample with a second reference cell sample wherein said first cell sample has been grown in

the presence of the carbon source butyrate, or a related carbon source from which butyrate is derived, either directly or indirectly, and comparing said expression profile with the expression profile in said second reference cell sample which has not been grown in the presence of butyrate, or said related carbon source.

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According to a further aspect of the invention there is provided a method to screen for nucleic acid molecules which show altered expression in an isolated biological sample comprising the steps of:

i) providing

- 10 a) a cell growth preparation comprising a first cell sample derived from at least one region of the colon; cell growth media; and a carbon source wherein said carbon source is butyrate; and
b) a cell growth preparation comprising a second cell sample derived from an equivalent region of the colon; cell growth media; and a carbon source which is not butyrate;
- 15 ii) extracting nucleic acid from said first and second cell samples; and
iii) comparing the gene expression profile in said first cell sample with the gene expression profile in said second cell sample.

20 In a preferred method of the invention said first and second cell samples are derived from the ascending colon.

In an alternative preferred method of the invention said first and second cell samples are derived from the transverse colon.

25 In a further preferred method of the invention said first and second samples are derived from the descending colon.

30 In a still further preferred method of the invention said first and second samples are derived from the sigmoid region of the colon. Preferably said cell samples are derived from the rectal region of the colon.

In a further preferred method of the invention said first and second cell samples comprise epithelial cells.

5 In a preferred method of the invention said carbon source which is not butyrate is glucose.

10 In a still further preferred method of the invention said nucleic acid molecule which shows altered expression is selected from the group as represented by the nucleic acid sequences shown in Table 1, or nucleic acid molecules which hybridise to the sequences presented Table 1. Preferably said nucleic acid molecules hybridise under stringent hybridisation conditions.

15 According to a further aspect of the invention there is provided a method for the detection of at least one nucleic acid molecule associated with the initiation and/or progression of colorectal cancer, in an animal, comprising the steps of:

- 20 i) providing a biological sample comprising at least one cell to be tested;
- ii) contacting said sample with a ligand which binds at least one nucleic acid molecule as represented by the nucleic acid sequence selected from the group consisting of:
 - a) a nucleic acid molecule as represented by the nucleic acid sequence as shown in Table 1;
 - b) a nucleic acid molecule which hybridises to nucleic acid molecules as defined in (a);
 - c) a nucleic acid molecule that is degenerate as a consequence of the genetic code to the nucleic acid molecule represented in (a) and (b);
- 30 iii) detecting the presence of at least one nucleic acid molecule in said sample.

In a preferred method of the invention said animal is human.

In a further preferred method of the invention said colorectal cancer is

5 adenocarcinoma.

In a preferred method of the invention said ligand is a nucleic acid molecule adapted to anneal to said nucleic acid molecule which is indicative of colorectal cancer.

10 It will be apparent to the skilled person that a number of nucleic acid based assay systems are available which can be adapted to detect nucleic acid molecules as hereindisclosed. For example quantitative polymerase chain reaction assays, *in situ* hybridisation, northern blots.

15 According to a further aspect of the invention there is provided a method for the detection of at least one polypeptide associated with the initiation and/or progression of colorectal cancer, in an animal, comprising the steps of:

- i) providing a biological sample comprising at least one cell to be tested;
- ii) contacting said sample with at least one ligand which ligand specifically binds at least one polypeptide encoded by a nucleic acid molecule as represented by the nucleic acid sequence shown in Table 1, or a variant polypeptide comprising an amino acid sequence which varies by the addition, deletion or substitution of at least one amino acid residue; and
- 20 iii) detecting the presence of at least one polypeptide in said sample.

In a preferred method of the invention said animal is human.

In a further preferred embodiment of the invention said ligand is an antibody,

30 preferably a monoclonal antibody, or at least the effective binding part thereof.

Methods which utilise antibodies to detect the presence of a polypeptide in a biological sample are well known in the art and include ELISA's, western blot and immunofluorescence.

- 5 According to a further aspect of the invention there is provided the use of at least one polypeptide, or variant sequence thereof, encoded by a nucleic acid molecule(s) as represented by the nucleic acid sequences as shown in Table 1, as a target for the screening of agents which modulate the activity of said polypeptide.
- 10 According to a yet further aspect of the invention there is provided a method to screen for agents which modulate the activity of at least one gene associated with the initiation and/or progression of colorectal cancer comprising the steps of:
 - i) forming a preparation comprising at least one polypeptide wherein said polypeptide is encoded by a nucleic acid molecule as represented by the nucleic acid sequence as shown in Table 1, or a variant polypeptide comprising an amino acid sequence which varies by the addition, deletion or substitution of at least one amino acid residue as represented by the amino acid sequences shown in Table 1, and at least one agent to be tested; and
 - 15 ii) determining the activity of said agent with respect to activity of said polypeptide.
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In a preferred method of the invention said polypeptide is expressed by a cell wherein said cell is transformed or transfected with said nucleic acid molecule. Preferably said nucleic acid molecule is part of a vector adapted for recombinant expression of said nucleic acid molecule. Preferably said vector is provided with a promoter which enables the expression of said nucleic acid molecule to be regulated.

In a preferred method of the invention said cell is derived from the colon, preferably said cell is an epithelial cell which lines said colon.

In a further preferred method of the invention said agent is an antibody, preferably a monoclonal antibody or modified antibody, or at least the effective binding part thereof.

- 5 Antibodies, also known as immunoglobulins, are protein molecules which usually have specificity for foreign molecules (antigens). Immunoglobulins (Ig) are a class of structurally related proteins consisting of two pairs of polypeptide chains, one pair of light (L) (low molecular weight) chain (κ or λ), and one pair of heavy (H) chains (γ , α , μ , δ and ϵ), all four linked together by disulphide bonds. Both H and L chains
10 have regions that contribute to the binding of antigen and that are highly variable from one Ig molecule to another. In addition, H and L chains contain regions that are non-variable or constant.

The L chains consist of two domains. The carboxy-terminal domain is essentially
15 identical among L chains of a given type and is referred to as the "constant" (C) region. The amino terminal domain varies from L chain to L chain and contributes to the binding site of the antibody. Because of its variability, it is referred to as the "variable" (V) region.

- 20 The H chains of Ig molecules are of several classes, α , μ , σ , α , and γ (of which there are several sub-classes). An assembled Ig molecule consisting of one or more units of two identical H and L chains, derives its name from the H chain that it possesses. Thus, there are five Ig isotypes: IgA, IgM, IgD, IgE and IgG (with four sub-classes based on the differences in the 'constant' regions of the H chains, i.e., IgG1, IgG2,
25 IgG3 and IgG4). Further detail regarding antibody structure and their various functions can be found in, Using Antibodies: A laboratory manual, Cold Spring Harbour Laboratory Press.

In a preferred method of the invention said fragment is a Fab fragment.

In a further preferred method of the invention said antibody is selected from the group consisting of: F(ab')₂, Fab, Fv and Fd fragments; and antibodies comprising CDR3 regions.

- 5 Preferably said fragments are single chain antibody variable regions (scFV's) or domain antibodies. If a hybridoma exists for a specific monoclonal antibody it is well within the knowledge of the skilled person to isolate scFv's from mRNA extracted from said hybridoma via RT PCR. Alternatively, phage display screening can be undertaken to identify clones expressing scFv's. Domain antibodies are the smallest
10 binding part of an antibody (approximately 13kDa). Examples of this technology is disclosed in US6, 248, 516, US6, 291, 158, US6,127, 197 and EP0368684 which are all incorporated by reference in their entirety.

A modified antibody, or variant antibody and reference antibody, may differ in amino
15 acid sequence by one or more substitutions, additions, deletions, truncations which may be present in any combination. Among preferred variants are those that vary from a reference polypeptide by conservative amino acid substitutions. Such substitutions are those that substitute a given amino acid by another amino acid of like characteristics. The following non-limiting list of amino acids are considered
20 conservative replacements (similar): a) alanine, serine, and threonine; b) glutamic acid and aspartic acid; c) asparagine and glutamine d) arginine and lysine; e) isoleucine, leucine, methionine and valine and f) phenylalanine, tyrosine and tryptophan. Most highly preferred are variants which show enhanced biological activity.

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Preferably said antibody is a humanised or chimeric antibody.

A chimeric antibody is produced by recombinant methods to contain the variable region of an antibody with an invariant or constant region of a human antibody.

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A humanised antibody is produced by recombinant methods to combine the complementarity determining regions (CDRs) of an antibody with both the constant (C) regions and the framework regions from the variable (V) regions of a human antibody.

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Chimeric antibodies are recombinant antibodies in which all of the V-regions of a mouse or rat antibody are combined with human antibody C-regions. Humanised antibodies are recombinant hybrid antibodies which fuse the complementarity determining regions from a rodent antibody V-region with the framework regions from the human antibody V-regions. The C-regions from the human antibody are also used. The complementarity determining regions (CDRs) are the regions within the N-terminal domain of both the heavy and light chain of the antibody to where the majority of the variation of the V-region is restricted. These regions form loops at the surface of the antibody molecule. These loops provide the binding surface between the antibody and antigen.

Antibodies from non-human animals provoke an immune response to the foreign antibody and its removal from the circulation. Both chimeric and humanised antibodies have reduced antigenicity when injected to a human subject because there is a reduced amount of rodent (i.e. foreign) antibody within the recombinant hybrid antibody, while the human antibody regions do not elicit an immune response. This results in a weaker immune response and a decrease in the clearance of the antibody. This is clearly desirable when using therapeutic antibodies in the treatment of human diseases. Humanised antibodies are designed to have less "foreign" antibody regions and are therefore thought to be less immunogenic than chimeric antibodies.

In an alternative preferred method of the invention said agent is a polypeptide or a peptide. Preferably said polypeptide or peptide is modified.

30 In a preferred method of the invention said peptide is at least 6 amino acid residues in length. Preferably the length of said peptide/polypeptide is selected from the group

consisting of: at least 7 amino acid residues; 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, or 20 amino acid residues in length. Alternatively the length of said peptide/polypeptide is at least 20 amino acid residues; 30; 40; 50; 60; 70; 80; 90; or 100 amino acid residues in length.

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It will be apparent to one skilled in the art that modification to the amino acid sequence of peptide agents could enhance the binding and/or stability of the peptide with respect to its target sequence. In addition, modification of the peptide may also increase the *in vivo* stability of the peptide thereby reducing the effective amount of peptide necessary to inhibit the activity of a target polypeptide. This would advantageously reduce undesirable side effects which may result *in vivo*. Alternatively or preferably, said modification includes the use of modified amino acids in the production of recombinant or synthetic forms of peptides. It will be apparent to one skilled in the art that modified amino acids include, by way of example and not by way of limitation, 4-hydroxyproline, 5-hydroxylysine, N⁶-acetyllysine, N⁶-methyllysine, N⁶,N⁶-dimethyllysine, N⁶,N⁶,N⁶-trimethyllysine, cyclohexy alanine, D-amino acids, ornithine. Other modifications include amino acids with a C₂, C₃ or C₄ alkyl R group optionally substituted by 1, 2 or 3 substituents selected from halo (e.g. F, Br, I), hydroxy or C₁-C₄ alkoxy. Modifications also include, by example and not by way of limitation, acetylation and amidation.

In a preferred embodiment of the invention said peptide sequence is acetylated. Preferably said acetylation is to the amino terminus of said peptide.

25 In a further preferred embodiment of the invention said peptide sequence is amidated. Preferably said amidation is to the carboxyl-terminus of said peptide.

It will also be apparent to one skilled in the art that peptides could be modified by cyclisation. Cyclisation is known in the art, (see Scott *et al* Chem Biol (2001),

30 8:801-815; Gellerman *et al* J. Peptide Res (2001), 57: 277-291; Dutta *et al* J. Peptide

Res (2000), 8: 398-412; Ngoka and Gross J Amer Soc Mass Spec (1999), 10:360-363.

In a further preferred method of the invention said agent is nucleic acid molecule.

- 5 Preferably said nucleic acid molecule is an aptamer or a modified aptamer. In an alternative preferred method of the invention said nucleic acid is an inhibitory RNA (RNAi) molecule. Alternatively said nucleic acid molecule is an antisense nucleic acid molecule.
- 10 Nucleic acids have both linear sequence structure and a three dimensional structure which in part is determined by the linear sequence and also the environment in which these molecules are located. Conventional therapeutic molecules are small molecules, for example, peptides, polypeptides, or antibodies, which bind target molecules to produce an agonistic or antagonistic effect. It has become apparent that
- 15 nucleic acid molecules also have potential with respect to providing agents with the requisite binding properties which may have therapeutic utility. These nucleic acid molecules are typically referred to as aptamers. Aptamers are small, usually stabilised, nucleic acid molecules which comprise a binding domain for a target molecule. A screening method to identify aptamers is described in US 5,270,163,
- 20 which is incorporated by reference. Aptamers are typically oligonucleotides which may be single stranded oligodeoxynucleotides, oligoribonucleotides, or modified oligodeoxynucleotide or oligoribonucleotides.

The term "modified" encompasses nucleotides with a covalently modified base
25 and/or sugar. For example, modified nucleotides include nucleotides having sugars which are covalently attached to low molecular weight organic groups other than a hydroxyl group at the 3' position and other than a phosphate group at the 5' position. Thus modified nucleotides may also include 2' substituted sugars such as 2'-O-methyl-; 2-O-alkyl; 2-O-allyl; 2'-S-alkyl; 2'-S-allyl; 2'-fluoro-; 2'-halo or 2-azido-
30 ribose, carbocyclic sugar analogues a-anomeric sugars; epimeric sugars such as arabinose, xyloses or lyxoses, pyranose sugars, furanose sugars, and sedoheptulose.

Modified nucleotides are known in the art and include by example and not by way of limitation; alkylated purines and/or pyrimidines; acylated purines and/or pyrimidines; or other heterocycles. These classes of pyrimidines and purines are

5 known in the art and include, pseudouracil; N4, N4-ethanocytosine; 8-hydroxy-N6-methyladenine; 4-acetylcytosine, 5-(carboxyhydroxymethyl) uracil; 5-fluorouracil; 5-bromouracil; 5-carboxymethylaminomethyl-2-thiouracil; 5-carboxymethylaminomethyl uracil; dihydrouracil; inosine; N6-isopentyl-adenine; 1-methyladenine; 1-methylpseudouracil; 1-methylguanine; 2,2-dimethylguanine; 2-methyladenine; 2-methylguanine; 3-methylcytosine; 5-methylcytosine; N6-methyladenine; 7-methylguanine; 5-methylaminomethyl uracil; 5-methoxy amino methyl-2-thiouracil; β -D-mannosylqueosine; 5-methoxycarbonylmethyluracil; 5-methoxyuracil; 2 methylthio-N6-isopentenyladenine; uracil-5-oxyacetic acid methyl ester; psueouracil; 2-thiacytosine; 5-methyl-2 thiouracil, 2-thiouracil; 4-thiouracil; 5-methyluracil; N-uracil-5-oxyacetic acid methylester; uracil 5—oxyacetic acid; queosine; 2-thiacytosine; 5-propyluracil; 5-propylcytosine; 5-ethyluracil; 5-ethylcytosine; 5-butyluracil; 5-pentyluracil; 5-pentylcytosine; and 2,6-diaminopurine; methylpsuedouracil; 1-methylguanine; 1-methylcytosine.

20 The aptamers of the invention are synthesized using conventional phosphodiester linked nucleotides and synthesized using standard solid or solution phase synthesis techniques which are known in the art. Linkages between nucleotides may use alternative linking molecules. For example, linking groups of the formula P(O)S, (thioate); P(S)S, (dithioate); P(O)NR'2; P(O)R'; P(O)OR6; CO; or CONR'2 wherein
25 R is H (or a salt) or alkyl (1-12C) and R6 is alkyl (1-9C) is joined to adjacent nucleotides through —O- or —S-. The binding of aptamers to a target polypeptide is readily testable.

An alternative nucleic acid molecule is a so called RNAi molecule. A recent
30 technique to specifically ablate gene function is through the introduction of double stranded RNA, also referred to as inhibitory RNA (RNAi), into a cell which results

in the destruction of mRNA complementary to the sequence included in the RNAi molecule. The RNAi molecule comprises two complementary strands of RNA (a sense strand and an antisense strand) annealed to each other to form a double stranded RNA molecule. The RNAi molecule is typically derived from exonic or 5 coding sequence of the gene which is to be ablated. Recent studies suggest that RNAi molecules ranging from 100-1000bp derived from coding sequence are effective inhibitors of gene expression. Surprisingly, only a few molecules of RNAi are required to block gene expression which implies the mechanism is catalytic. The site of action appears to be nuclear as little if any RNAi is detectable in the cytoplasm 10 of cells indicating that RNAi exerts its effect during mRNA synthesis or processing.

In a preferred method of the invention there is provided a cassette comprising a nucleic acid molecule, or part thereof, wherein said molecule is selected from the group consisting of:

- 15 i) a nucleic acid molecule represented by the nucleic acid sequence
 shown in Table 1 ;
 ii) a nucleic acid molecule which hybridises to the sequence in (i) above
 and which encodes a polypeptide which initiates or promotes
 transformation of colon cells; or
20 iii) a nucleic acid molecule which is degenerate because of the genetic
 code to the sequences defined in (i) and (ii) above, wherein said
 cassette is adapted such that both sense and antisense nucleic acid
 molecules are transcribed from said cassette.

25 In a preferred method of the invention said cassette is provided with at least two
 promoters adapted to transcribe both sense and antisense strands of said nucleic acid
 molecule.

30 In a further preferred method of the invention said cassette comprises a nucleic acid
 molecule wherein said molecule comprises a first part linked to a second part
 wherein said first and second parts are complementary over at least part of their

sequence and further wherein transcription of said nucleic acid molecule produces an RNA molecule which forms a double stranded region by complementary base pairing of said first and second parts.

- 5 In a preferred embodiment of the invention said first and second parts are linked by at least one nucleotide base.

In a preferred embodiment of the invention said first and second parts are linked by 2, 3, 4, 5, 6, 7, 8, 9 or at least 10 nucleotide bases.

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In a further preferred embodiment of the invention the length of the RNAi molecule is between 100bp-1000bp. More preferably still the length of RNAi is selected from 100bp; 200bp; 300bp; 400bp; 500bp; 600bp; 700bp; 800bp; 900bp; or 1000bp. More preferably still said RNAi is at least 1000bp.

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In an alternative preferred method of the invention the RNAi molecule is between 15bp and 25bp, preferably said molecule is 21bp. Preferably said cassette is part of a vector.

- 20 According to a further aspect of the invention there is provided an antibody identified by the method according to the invention for use as a pharmaceutical.

According to a further aspect of the invention there is provided a polypeptide or peptide identified by the method according to the invention for use as a pharmaceutical.

25 According to a further aspect of the invention there is provided a nucleic acid molecule identified by the method according to the invention for use as a pharmaceutical.

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In a preferred embodiment of the invention said nucleic acid molecule is an aptamer.

In an alternative preferred embodiment of the invention said nucleic acid molecule is an inhibitory RNA.

- 5 In a further alternative preferred embodiment of the invention said nucleic acid molecule is an antisense nucleic acid molecule.

In a preferred embodiment of the invention said pharmaceutical further comprises a diluent, carrier or excipient.

- 10 When administered, the therapeutic compositions of the present invention are administered in pharmaceutically acceptable preparations. Such preparations may routinely contain pharmaceutically acceptable concentrations of salt, buffering agents, preservatives, compatible carriers, supplementary immune potentiating agents such as adjuvants and cytokines and optionally other therapeutic agents, such as
15 chemotherapeutic agents.

The therapeutics of the invention can be administered by any conventional route, including injection or by gradual infusion over time. The administration may, for example, be oral, intravenous, intraperitoneal, intramuscular, intracavity,
20 subcutaneous, or transdermal. When antibodies are used therapeutically, a preferred route of administration is by pulmonary aerosol. Techniques for preparing aerosol delivery systems containing antibodies are well known to those of skill in the art. Generally, such systems should utilize components which will not significantly impair the biological properties of the antibodies, such as the paratope binding
25 capacity (see, for example, Sciarra and Cutie, "Aerosols," in Remington's Pharmaceutical Sciences, 18th edition, 1990, pp 1694-1712; incorporated by reference). Those of skill in the art can readily determine the various parameters and conditions for producing antibody aerosols without resort to undue experimentation.
When using antisense preparations of the invention, slow intravenous administration
30 is preferred.

The compositions of the invention are administered in effective amounts. An "effective amount" is that amount of a composition that alone, or together with further doses, produces the desired response. In the case of treating a particular disease, such as cancer, the desired response is inhibiting the progression of the disease. This may involve only slowing the progression of the disease temporarily, although more preferably, it involves halting the progression of the disease permanently. This can be monitored by routine methods or can be monitored according to diagnostic methods of the invention discussed herein.

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Such amounts will depend, of course, on the particular condition being treated, the severity of the condition, the individual patient parameters including age, physical condition, size and weight, the duration of the treatment, the nature of concurrent therapy (if any), the specific route of administration and like factors within the knowledge and expertise of the health practitioner. These factors are well known to those of ordinary skill in the art and can be addressed with no more than routine experimentation. It is generally preferred that a maximum dose of the individual components or combinations thereof be used, that is, the highest safe dose according to sound medical judgment. It will be understood by those of ordinary skill in the art, however, that a patient may insist upon a lower dose or tolerable dose for medical reasons, psychological reasons or for virtually any other reasons.

The pharmaceutical compositions used in the foregoing methods preferably are sterile and contain an effective amount for producing the desired response in a unit of weight or volume suitable for administration to a patient. The response can, for example, be determined by measuring the physiological effects of the composition,

25 such as regression of a tumour, decrease of disease symptoms, modulation of apoptosis, etc.

30 The doses of pharmaceutical agent administered to a subject can be chosen in accordance with different parameters, in particular in accordance with the mode of

administration used and the state of the subject. Other factors include the desired period of treatment. In the event that a response in a subject is insufficient at the initial doses applied, higher doses (or effectively higher doses by a different, more localized delivery route) may be employed to the extent that patient tolerance
5 permits.

In general, doses of pharmaceutical are formulated and administered in doses between 1 ng and about 500mg, and between 10 ng and 100mg, according to any standard procedure in the art. Where nucleic acids are employed, doses of between
10 1 ng and 0.1mg generally will be formulated and administered according to standard procedures. Other protocols for the administration of compositions will be known to one of ordinary skill in the art, in which the dose amount, schedule of injections, sites of injections, mode of administration (e.g., intra-tumoral) and the like vary from the foregoing. Administration of pharmaceutical compositions to mammals other than
15 humans, e.g. for testing purposes or veterinary therapeutic purposes, is carried out under substantially the same conditions as described above. A subject, as used herein, is a mammal, preferably a human, and including a non-human primate, cow, horse, pig, sheep, goat, dog, cat or rodent.

20 When administered, the pharmaceutical preparations of the invention are applied in pharmaceutically-acceptable amounts and in pharmaceutically-acceptable compositions. The term "pharmaceutically acceptable" means a non-toxic material that does not interfere with the effectiveness of the biological activity of the active ingredients. Such preparations may routinely contain salts, buffering agents,
25 preservatives, compatible carriers, and optionally other therapeutic agents. When used in medicine, the salts should be pharmaceutically acceptable, but non-pharmaceutically acceptable salts may conveniently be used to prepare pharmaceutically-acceptable salts thereof and are not excluded from the scope of the invention. Such pharmacologically and pharmaceutically-acceptable salts include,
30 but are not limited to, those prepared from the following acids: hydrochloric, hydrobromic, sulfuric, nitric, phosphoric, maleic, acetic, salicylic, citric, formic,

malonic, succinic, and the like. Also, pharmaceutically-acceptable salts can be prepared as alkaline metal or alkaline earth salts, such as sodium, potassium or calcium salts.

- 5 Pharmaceutical compositions may be combined, if desired, with a pharmaceutically-acceptable carrier. The term "pharmaceutically-acceptable carrier" as used herein means one or more compatible solid or liquid fillers, diluents or encapsulating substances which are suitable for administration into a human. The term "carrier" denotes an organic or inorganic ingredient, natural or synthetic, with which the active
10 ingredient is combined to facilitate the application. The components of the pharmaceutical compositions also are capable of being co-mingled with the molecules of the present invention, and with each other, in a manner such that there is no interaction which would substantially impair the desired pharmaceutical efficacy.

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The pharmaceutical compositions may contain suitable buffering agents, including: acetic acid in a salt; citric acid in a salt; boric acid in a salt; and phosphoric acid in a salt.

- 20 The pharmaceutical compositions also may contain, optionally, suitable preservatives, such as: benzalkonium chloride; chlorobutanol; parabens and thimerosal.

- 25 The pharmaceutical compositions may conveniently be presented in unit dosage form and may be prepared by any of the methods well-known in the art of pharmacy. All methods include the step of bringing the active agent into association with a carrier which constitutes one or more accessory ingredients. In general, the compositions are prepared by uniformly and intimately bringing the active compound into association with a liquid carrier, a finely divided solid carrier, or both, and then, if
30 necessary, shaping the product.

Compositions suitable for oral administration may be presented as discrete units, such as capsules, tablets, lozenges, each containing a predetermined amount of the active compound. Other compositions include suspensions in aqueous liquids or non-aqueous liquids such as a syrup, elixir or an emulsion.

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Compositions suitable for parenteral administration conveniently comprise a sterile aqueous or non-aqueous preparation of pharmaceutical agents, which is preferably isotonic with the blood of the recipient. This preparation may be formulated according to known methods using suitable dispersing or wetting agents and suspending agents. The sterile injectable preparation also may be a sterile injectable solution or suspension in a non-toxic parenterally-acceptable diluent or solvent, for example, as a solution in 1,3-butane diol. Among the acceptable vehicles and solvents that may be employed are water, Ringer's solution, and isotonic sodium chloride solution. In addition, sterile, fixed oils are conventionally employed as a solvent or suspending medium. For this purpose any bland fixed oil may be employed including synthetic mono- or di-glycerides. In addition, fatty acids such as oleic acid may be used in the preparation of injectables. Carrier formulation suitable for oral, subcutaneous, intravenous, intramuscular, etc. administrations can be found in Remington's Pharmaceutical Sciences, Mack Publishing Co., Easton, PA.

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An embodiment of the invention will now be described by example only and with reference to the following Figures and Tables;

Figure 1 illustrates a concentration-response of cells growing in butyrate as sole carbon source. This is the summary of four independent repeat experiments. Legend shows butyrate concentrations in mM;

Figure 2 illustrates the purity and quality of RNA preparation. The 28S and 18S sample bands are tight and clearly resolved for RNA prepared from butyrate- and glucose-grown cells. Little or no DNA or salt contamination appears in the samples;

Table 1 illustrates nucleic acid sequences identified by the screening method according to the invention; and

- 5 Table 2 illustrates a summary of expression data of nucleic acid sequences identified in Table 1.

Materials and Methods

- 10 We have compared the expression profiles of colon cells growing in either glucose or butyrate as a carbon source. HT 29 colon carcinoma cells were cultured in DMEM medium (Gibco) in the presence of 10% foetal calf serum, penicillin and streptomycin. Cells were either cultured in glucose alone as the sole carbon source, or in butyrate as the sole extraneous provided carbon source. Empirical analysis of
 15 HT29 cells grown in multiple butyrate concentrations revealed that 2mM butyrate was optimal for cell culture in the absence of glucose. Cells were cultured in either medium for multiple passages (typically 4). RNA was extracted from cells grown in each condition and used to probe an Affymetrix human 12k array. The expression profile of cells cultured in each condition was compared and genes altered in
 20 expression by more than 2 fold are listed in Table 2.

Materials used during this study

<u>ITEM</u>	<u>ITEM - SPECIFICS</u>	<u>SUPPLIER</u>
Glucose medium (1)	Dulbecco's Modified Eagle Medium 25 mM HEPES 1 x 0.1 micron filtered with sodium pyruvate, with 1000	GIBCO

	mg/l glucose with pyridoxine + FCS + p/s (500 ml)	
Butyrate medium (2) 0.2 mM NaB medium	Dulbecco's Modified Eagle Medium 1 x 0.1 micron filtered with L-glutamine without glucose, without sodium pyruvate + NaB (1M) 110 µl + FCS + p/s (555.1 ml)	GIBCO
Butyrate medium (3) 2 mM NaB medium	Dulbecco's Modified Eagle Medium 1 x 0.1 micron filtered with L-glutamine without glucose, without sodium pyruvate + NaB (1M) 1100 µl + FCS + p/s (556.1 ml)	GIBCO
Medium without glucose and without butyrate (4)	Dulbecco's Modified Eagle Medium 1 x 0.1 micron filtered with L-glutamine without glucose, without sodium pyruvate + FCS + p/s (550 ml)	GIBCO
NaB stock	Sodium Butyrate powder dissolved in sterile water 250 mg in 2.27 ml water	Sigma

	(1M) 0.2 µm filter sterilised	
Sterile syringes	5 ml	Becton Dickinson UK, Ltd
Sterilising filters	0.2 µm Acrodisc	Gelman Sciences, Ltd
<u>Item</u>	<u>Item specifics</u>	<u>Supplier</u>
FCS	Foetal Calf Serum 50 ml per 500 ml DMEM	Harlan Sera Lab
P/S	Penicillin – Streptomycin solution 100ml bottle (100 X) – 5 ml per 500 ml DMEM	Sigma
TE for splitting cells	Trypsin Enzyme – 100 ml bottle - 3 ml per T75 and 1 ml per 6 well plate well	Sigma
FCS tubes	50 ml Centrifuge tubes	Corning Inc
P/S + TE tubes	30 ml Universal containers	Bibby Sterilin Ltd
Tissue Culture Plates	6 well sterile with lid single packed	Greiner bio-one
Tissue Culture Flasks	T 75	Nunclon
Stripette ® 5ml, 10ml,	Serological Pipette,	Corning Inc / Costar

25 ml	individually wrapped	
Pipette	Powerpette plus	Jencons
Cell Counting Slide	Haemocytometer, improved Neubauer	Neubauer
Ethanol for tissue culture	70 % EtOH	Sigma
Virkon for cell culture	1 % Virkon	Day Impex, Ltd
Microscope for cell work	Light 6 – 10X	CK Olympus, Tokyo
Paper towels	Blue	Jamont (UK), Ltd
Latex-free examination gloves	Large	Shermond Surgical Supply, Ltd
<u>Item</u>	<u>Item specifics</u>	<u>Supplier</u>
RNA extraction reagent	TRIzol ® Reagent	Invitrogen – Life technologies
RNA extraction reagent	Chloroform	Sigma
RNA extraction reagent	Isopropyl alcohol	Sigma

RNA extraction reagent	75% EtOH in DEPC-treated water	Sigma
RNA extraction reagent	Rnase-free water	Sigma
RNA clean up kit	Rneasy Midi Kit (10 RNeasy midi spin columns)	Qiagen
β - Mercaptoethanol	14.3 M stock solution	Sigma
Ethanol for Qiagen	96-100% EtOH	Sigma
Agarose	1g in 100 ml TB-EDTA- Buffer	Helena Biosciences, UK
TB-EDTA- Buffer	Tris-Borate-EDTA buffer 100ml	Sigma
Eppendorf tubes	1.5 ml	Sarstedt Laboratory supplies, Ltd
Loading buffer	6 X	Promega

The Human Colon Carcinoma Cell Line - HT29

The HT29 cell line is established from a colon adenocarcinoma which was removed
5 from a 44 year old Caucasian woman. The cell line is epithelial in origin and hypertriploid. It has been shown to be tumourigenic in nude mice and synthesizes Carcino embryonic antigen - CEA (Egan & Todd, 1972) and the Transforming

growth factors - TGF- α and TGF- β (Anzano *et al.* 1989) when maintained *in vitro*. The HT29 cell line constitutively over-produces mutant p53 protein as a consequence of a point mutation at codon 273, resulting in an Arginine to Histidine amino acid substitution (Hsu *et al.* 1994).

5

The Culture of HT29 Colorectal adenocarcinoma cells

Cells were cultured in T75 tissue culture flasks (Nunclon) in 5% CO₂ at 37°C. Cells were passaged when confluent by washing twice in PBS and incubating in pre-warmed trypsin : EDTA (1:1) at 37°C until cells detached. The cells were then re-suspended in the appropriate growth medium, either glucose DMEM or butyrate DMEM before being seeded into new T75 tissue culture flasks or 6-well plates.

10

Optimisation of HT29 cell growth in butyrate as sole extraneous carbon source

15

HT29 cells were seeded out into 19 wells (in 6 well plates) at a cell density of 0.5 x 10⁶ cells per well (i.e. 500 000 cells per well) deduced with the aid of a Haemocytometer (Improved Neubauer). These cells were taken from T75 - 0.2 mM butyrate (NaB) DMEM flasks and allowed to adhere to the 6-well plates over 72 hrs also in 0.2 mM NaB DMEM with FCS and Penicillin / Streptomycin antibiotics. After the cells had adhered to the surface of the 6 well plates the 0.2 mM NaB DMEM was removed and each well was washed twice with PBS in order to remove all traces of the 0.2 mM DMEM, then different concentrations of NaB DMEM with FCS and with Penicillin / Streptomycin antibiotics were added to the appropriate wells in triplicate. Cell counts were taken at various time points. Specific media was changed daily in order to maintain the appropriate / desired NaB concentrations per well. All solutions / reagents used were pre-warmed in a water bath prior to use so as to avoid any cold shock to the cells.

20

25

30

RNA extraction using TRIzol® Reagent

Total RNA was extracted from HT29 cells grown to confluence in T75 flasks using TRIzol Reagent as per manufacturer's recommendations. Cells were grown for
5 several passages either in butyrate-containing medium, or in glucose-containing medium prior to extraction of RNA

Cells were homogenised using 1 ml TRIzol Reagent per 10 cm² area of culture surface. The homogenised samples were incubated for 5 minutes at ambient temperature to permit the complete dissociation of nucleoprotein complexes. 10 200µl of chloroform was added to each sample. Tubes were shaken vigorously by hand for 15 seconds and incubated at ambient temperature for 3 minutes. Samples were centrifuged at 12000g for 15 minutes at 4oC. RNA in the aqueous phase was separated and precipitated using isopropyl alcohol. RNA was rinsed, air dried and 15 redissolved in RNase-free water.

RNA was further purified using Qiagen RNeasy columns. The columns were used exactly as per manufacturer's recommendations. RNA was eluted into RNase-free water.

20 RNA purified in this way was analysed by agarose gel to establish purity and quality. The gel is shown in figure 2.

Microarray analysis

25 Microarray analysis was undertaken as a commercial service by the University of Newcastle-upon-Tyne. In this study, the 2 RNA samples (1x butyrate + 1x glucose) from the 2 experimental conditions (butyrate + glucose) were sent to the Institute for Human Genetics at the University of Newcastle-upon-Tyne for microarray analysis.
30 This was performed on a 12 k Affymetrix *Homo sapiens* gene chip. Genes altered in expression by more than 2 fold on the microarray are listed in table 1.

Table 1

Human mitochondrial ADP/ADT translocator mRNA, complete cds.

ccccctagcg tcgcgcaggg tcggggactg cgcgccgtgc caggccggc gtgggcgaga	60
gcacgaacgg gctgctgcgg gctgagagcg tcgagctgtc accatgggtg atcacgcttg	120
gagcttcca aaggacttcc tggccggggc ggtcgcccgt gccgtctcca agaccgcgg	180
cgccccatc gagagggtca aactgctgtc gcaggtccag catgccagca aacagatcag	240
tgctgagaag cagtacaaag ggatcattga ttgtgtggg agaatcccta aggagcaggg	300
cttccttcc ttctggaggg gtaacctggc caacgtgatc cgttacttcc ccacccaa	360
tctcaacttc gccttcaagg acaagataaa gcagctttc ttaggggggtg tggatcggca	420
taagcagttc tggcgctact ttgctggtaa cctggcggtc ggtggggccg ctggggccac	480
ctcccttgc tttgtctacc cgctgactt tgcttaggacc aggttggctg ctgatgtggg	540
caggcgcgc cagcgtgagt tccatggct gggcgactgt atcatcaaga tcttcaagtc	600
tgatggcctg agggggctc accagggttt caacgtctc gtccaaaggca tcattatcta	660
tagagctgcc tacttcggag tctatgatac tgccaaagggg atgctgcctg accccaagaa	720
cgtgcacatt tttgtgagct ggatgattgc ccagagtgtg acggcagtgc cagggctgt	780
gtccttacccc tttgacactg ttctgtctgtag aatgatgatg cagtccggcc ggaaaggggc	840
cgatattatg tacacggggc cagttgactg ctggaggaag attgcaaaaag acgaaggagc	900
caaggccttc ttcaaagggtg cctggtccaa tgtgctgaga ggcattggcg gtgcctttgt	960
attgggtttg tatgtgaga taaaaaaaata tgtctaattgt aattaaaaca caagttcaca	1020
gatttacatg aacttgcattc acaagttcac agatccattt tgtggttaa tagactattc	1080
ctaggggaag taaaaagatc tgggataaaa ccagactgaa aggaatacct cagaagagat	1140
gcttcattga gtgttcatta aaccacacat gtattttgtt tttatatttac atttaaattc	1200
ccacagcaaa tagaaataat ttatcatact tgtacaatta actgaagaat tgataataac	1260
tgaatgtgaa acatcaataa agaccactta atgcacaaaa aaaaaaaaaa aaaaaaaaaa	1320

Homo sapiens mRNA for VNN1 protein

cattggactt cagcatgact actcagtgc cagcttacgt ggcaattttg cttttctatg	60
tctcaagagc cagctgccag gacactttca ttgcagctgt ttatgagcat gcagcgatat	120
tgcccaatgc cacccctaaca ccagtgtctc gtgaggaggc tttggcatta atgaatcgga	180
atctggacat tttggaaaggc gcgatcacat cagcagcaga tcagggtcg catattattg	240
tgactccaga agatgttatt tatggcttga acttcaacag ggactcttc taccatatt	300
tggaggacat cccagaccct gaagtaaaact ggatcccctg taataatcgta aacagatttg	360
gccagaccct agtacaagaa agactcaggt gcctggccaa gaacaactct atctatgttg	420
tggcaaataat tggggacaag aagccatgcg ataccagtga tcctcagtgt cccccctgatg	480
gccgttacca atacaacact gatgtggtat ttgattctca agaaaaactg gtggcacgct	540
accataagca aaacotttc atgggtgaaa atcaattcaa tgtacccaag gagcctgaga	600
ttgtgacttt caataccacc tttggaaaggc ttggcatttt cacatgcctt gatatactct	660
tccatgatcc tgctgttacc ttggtaaaag atttccacgt ggacaccata gtattcccaa	720
cagcttggat gaatgttttgc acacatttg cagctgttg attccactca gcttgggcta	780
tgggcatttag ggtcaatttc cttgcattca acatacatta cccctcaaaag aaaatgacag	840
gaagtggcat ctatgcaccc aattcttcaa gagoattca ttatgatatg aagacagaag	900
agggaaaact cctccctctcg caactggatt cccacccatc ccattctgcg gtggtaact	960
ggacttccta tgccagcagt atagaagcgc tctcatcagg aaacaaggaa tttaaaggca	1020
ctgtctttt cgatgaattc acttttgcg agctcacagg agttgcagga aattatcacag	1080
tttgcattaa agatctctgc tgcattttaa gctacaaaat gtctgagaac ataccaaatg	1140
aagtgtacgc tctagggca tttgacggac tgacactgtt ggaaggcgc tattatctac	1200
agattttgtac cctgtgaaa tggaaaacga ctaattttaa cacttgcggt gactcagctg	1260
aaacagcttc taccaggttt gaaatgttct ccctcagtgg cactttcggg acccagtatg	1320
tcttcctgta ggtgttgcg agtggaaatc agcttgcacc tggagaattt caggtgtcaa	1380
ctgacggacg cttgtttagt ctgaagccaa catccggacc tgcatttaaca gtaactctgt	1440
ttgggaggtt gtatgagaag gactggcat caaatgcctc atcaggcctc acagcacaag	1500
caagaataat aatgctaata gttatagcac ctattgtatg ctcattaaat tggtagaata	1560
ttgactttttt ctcttttttta tttggataa tttaaaaaat gatggatgag aaaagaaaaga	1620
ttggtccggg ttaatattat octctagtat aagtgaatta ctatgttcc tttatttaga	1680
caaacacaca cacaccagat aatataaaact taataaaatta tctgttaatg tagattttat	1740
ttaaaaaact atatttgaac attggctttt cttggacgtg agctaattat atcaaataag	1800
tatcacaaat ctttacgca gaagaaataa aaactacggg tagaaaacat aagaactatc	1860
ataaaaatttta cttacaagga ggctgctttt gttaccaattt ttattatatt acgtatcact	1920
tattcagctc tgctgaaaat ttccaatgac tttgtttgtt tgctcttttta gtttttacc	1980
taaacaatac attttgattc tttgtgggt tgataatgtc tccccaaat ttacatgttg	2040
aagcacctca gaatgtgact gtatttggag acagggtctt taaagaggtt aaataaggc	2100
attaggatag accctaattc aatatgactg atgatcataa aagaagaggc gagtagggca	2160
caacaggcac aaaggagac cataaggaga cacagaggaa ggacaactct ttacaagcta	2220
agaagagagg gcctcagaag aaaccaaccc tgccacaccc ttgatcttg actccagcc	2280
tccaaaacta tgagaaataa atttctattt ttaagtccac ccagtccatg gtactttgtt	2340
aggcagccct ggcaaatgaa tcaaagaccc attctgttc ctctcccccactactgtt	2400
ttctactgtt atctgaagct tcaacaaaag gcttacctgg taagaatatt cagctggct	2460
gggtcctcaa gactccaata gacactctt aagaaggatt gctgtatggat tgatagtcaa	2520
accatttagt cattgaattt ctctggattt agaaaaaccag agatcccat tttaagaaat	2580
tagatattttt atatagcatt gtgtgttca ttttagtaac agcagaatct ttgcacatta	2640
cacaactcag tgaaaacaaca tcatttaagc caaaatatct cccaaactgac tgatagactc	2700
tgagcactaa tatcatagtg ctgtgtatggat ggacaattac atagtacca taacagccat	2760
gcactgtgca aagcatgccc ttctgcacag gagagcaagg cacttgcagt agtgcattat	2820
gcacgcaaaa catcatttttgc agacaaaatc ttttgtggca gatgttttc cttaaaaagta	2880
ctatatcatc caagaaatatt ttgagtaaaa tccctgttc ttttgggtga cattaactga	2940
catttgcattt ttttcaagac otaatagaaaa ataagaaagc ccataatgtt tttagaaaca	3000
ggaatccctca gagcaattct otgtatttcc atataatttca aatgtaaaac agaaaacata	3060
ttgtatgtgtt ggtatagtc ttgaattttt aaaaacttca aaaaacaaaa	3109

Homo sapiens transmembrane protein 5, mRNA

ggctgggcct	gcctcggacg	ccgcccgtgt	cgcggattct	cttccgccc	gctccatggc	60
ggtggatgcc	tgactggaag	cccgagtggg	atgcggctga	cgcggaaacg	gctctgctcg	120
tttcttatcg	ccctgtactg	cctattctcc	ctctacgctg	cctaccacgt	cttcttcggg	180
cgccgcccggc	aggcgccggc	cgggtccccg	cggggcctca	ggaagggggc	ggcccccgcg	240
cggggagagac	gcggccgaga	acagtccact	ttggaaaatg	aagaatggaa	tccttgggaa	300
ggagatgaaa	aaaatgagca	acaacacaga	tttaaaacta	gccttcaaata	attagataaaa	360
tccacgaaa	gaaaaacaga	tctcagtgt	caaatactggg	gcaaaggctgc	cattggcttg	420
tatctctggg	agcatatTTT	tgaaggctt	cttgatccc	gcgatgtgac	tgctcaatgg	480
agagaaggaa	agtcaatcgt	aggaagaaca	cagtacagct	tcatcactgg	tccagctgt	540
ataccagggt	acttctccgt	tgatgtgaat	aatgtggta	tcattttaaa	tggaagagaa	600
aaagcaaaga	tctttatgc	caccaggatgg	ttactttatg	cacaaaattt	agtgc当地	660
caaaaactcc	agcatcttgc	tgttgttttgc	ctcggaaatg	aacattgtga	taatgagtgg	720
ataaaacccat	tcctcaaaag	aaatggaggc	ttcgtggagc	tgctttcat	aatatatgac	780
agcccctgga	ttaatgacgt	ggatgttttgc	cagtggcctt	taggatgt	aacatacagg	840
aatttcctg	tggggaggc	aagttggtca	atgc当地	atgagaggcc	atatttatgt	900
aatttcttag	gaacgattt	tgaaaattca	tccagacagg	cactaatgaa	cattttgaaa	960
aaagatggga	acgataagct	tttgtgggtt	tcagcaagag	aacactggca	gcctcaggaa	1020
acaaatgaaa	gtcttaagaa	ttaccaagat	gcctgcttc	agagtatct	cacattgtgc	1080
ccggtcggag	taaacacaga	atgctatcga	atctatgagg	cttgctcta	tggctccatt	1140
cctgtggtgg	aagacgtgat	gacagctggc	aactgtggga	atacatctgt	gcaccacgg	1200
gctcctctgc	agttactcaa	gtccatgggt	gctcccttta	tctttatcaa	gaactggaaag	1260
gaactccctg	ctgttttaga	aaaagagaaa	actataattt	tacaagaaaa	aattgaaaga	1320
agaaaaatgt	tacttcagt	gtatcagcac	ttcaagacag	agcttaaaat	gaaatttact	1380
aatattttag	aaagctcatt	ttaatgt	aataaaatgtt	aattatcttt	ttgagctaaa	1440
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa				

Homo sapiens CD3e-associated protein (CAST) mRNA, complete cds.

cccaggatgg	aggagcccca	ggccggcggt	gaggatgctg	ctcggttctc	ttgtcccccc	60
aactttaccc	cgaagcccc	agcctcagag	tccctcggtt	tctccttgaa	ggcgctgacg	120
ggtccagata	cgagactgtg	gcttattcag	gccctgcag	actttcccc	agaatgcttc	180
aatgggcggc	atgtgcctct	ctctggctcc	cagatgtca	agggcaaatt	ggcaggcaag	240
cggcaccgt	atcgagtct	cagcagctgt	ccccaagctg	gagaagcgac	cctgctggcc	300
ccctcaacgg	aggcaggagg	tggactcacc	tgtgccttag	ccccccaggg	caccctaagg	360
atccttgagg	gtcccccagca	atccctgtca	gggagccctc	tgcagccat	cccagcaagt	420
ccccccaccac	agatccctcc	tggcctgagg	cctcggttct	gtgccttgg	ggcaacccca	480
ccagtcacag	ggccctaggc	agccttggcc	cccaacctgc	tcacctcagg	gaagaagaaa	540
aaggagatgc	aggtgacaga	ggccccagtc	actcaggagg	cagtgaatgg	gcacggggcc	600
ctggaggtgg	acatggctt	ggggtcggca	gaaatggatg	tgccggaaagaa	gaagaagaaa	660
aaaaatcagc	agctgaaaaga	accagaggca	gcagggcctg	tggggacaga	gcccacagtg	720
gagacactgg	agccctctggg	agtgcgttcc	ccgtccacca	ccaagaagag	gaagaagccc	780
aaaggaaaaag	aaaccttgcg	gccagaagac	aagacagtga	agcaggaaca	gattaacact	840
gagcctctag	aagacacagt	cctgtcccc	accaaaaaga	gaaagaggca	aaaggggacg	900
gaagggatgg	agccagagga	gggggtgaca	gtttagtctc	agccacaggt	gaaggtggag	960
ccactggagg	aagccatccc	tctgccccct	acgaagaaga	ggaaaaaaaaga	aaagggacag	1020
atggcaatga	tggagccagg	gacggaggcg	atggagccag	tggagccga	gatgaagcct	1080
ctggagtccc	caggggggac	catggccct	caacagccag	aaggagcgaa	gcctcaggcc	1140
caggcagctc	tggcagctcc	caaaaaagaag	acgaagaaaag	aaaaacagca	agatgccaca	1200
gtggagccag	agacagaggt	ggtggggcct	gagctgcccgg	atgaccttga	gcctcaggca	1260
gctcccacat	ccaccaagaa	gaagaagaag	aagaaagaga	gaggtcacac	atgtactgag	1320
ccaattcagc	cactagagcc	tgaactgcca	ggggagggac	agcctgaagc	cagggcaact	1380
ccgggatcca	ccaagaagag	gaagaagcag	agttaggaaa	gccggatgcc	agagacagtg	1440
ccccaaagg	agatgccagg	gccgccactg	aattcagagt	ctggggagga	ggctccacaca	1500
ggccgggaca	agaagcggaa	gcagcagcag	cagcagcctg	tgtagtctgc	ccccgggaaa	1560
ctgaggaact	aaagaääagct	gaaggtgccc	acctgggcca	ccagaaggtg	acaccccccag	1620
aatccctccc	cagagactgc	accagcgcag	ccagcaggag	cctggcttgg	gaggacgatt	1680
tattattaca	ctgggggtt	ccttggcagc	tgggttcatc	agggtacttt	caagaaggc	1740
tcgtgcagga	catcaaacag	cctccgggccc	tggatggag	ggagaaaaaa	atgaggaacc	1800
gtcattaaa	ggagctgttt	cctgggtaaa	aaaaaaaaaa	a		

Homo sapiens Apo-2 ligand mRNA, complete cds.

tttccctcaact	gactataaaa	gaatagagaa	ggaagggctt	cagtgaccgg	ctgcctggct	60
gacttacagc	agtcagactc	tgacaggatc	atggctatga	tggaggtcca	gggggggaccc	120
agcctgggac	agacctgcgt	gctgatcgta	atcttcacag	tgctctgcac	gtctctctgt	180
gtggctgtaa	cttacgtgt	cttaccaac	gagctgaagc	agatgcagga	caagtactcc	240
aaaagtggca	ttgttgttt	ctaaaaagaa	gatgacagtt	attgggacccc	caatgacgaa	300
gagagtatga	acagccccctg	ctggcaagtc	aagtggcaac	tccgtcagct	cgttagaag	360
atgattttga	gaacctctga	ggaaaccatt	tctacagttc	aagaaaagca	acaaaaatatt	420
tctcccttag	tgagagaaaag	aggtcctcag	agagtagcag	ctcacataac	ttgggaccaga	480
ggaagaagca	acacattgtc	ttctccaaac	tccaagaatg	aaaagctct	gggcccggaaa	540
ataaaactcct	gggaatcatc	aaggagtggg	cattcattcc	tgagcaactt	gcacttgagg	600
aatggtgaac	tggtcatcca	tgaaaaaggg	ttttaactaca	tctattccca	aacataacttt	660
cgatttcagg	aggaaaataaa	agaaaaacaca	aagaacgaca	aacaaatggt	ccaatatatatt	720
tacaaaataca	caagtttatcc	tgaccctata	ttgttgatga	aaagtgcgt	aaatagttgt	780
tggtctaaag	atgcagaata	tggactctat	tccatctatc	aagggggaaat	atttgagctt	840
aaggaaaaatg	acagaatttt	tgtttctgt	acaaatggc	acttgataga	catggaccat	900
gaagccagtt	tttcggggc	cttttagtt	ggctaactga	cctggaaaaga	aaaagcaata	960
acctcaaagt	gactattcag	tttcaggat	gatacactat	gaagatgttt	caaaaaatct	1020
gaccaaaaca	aacaaaacaga	aa	.	.	.	

Homo sapiens mRNA for annexin A13 (ANXA13 gene), isoform b

gtaaaactttg cctgttaggag gactgatctc ttaatgaaat acagaaaaac catctcagaa	60
aaaggaaaaat gggcaatcg tcatagccagt cgtacaccct ctcagaaggc agtcaacagt	120
tgcctaaagg ggactccaa ccctcgacag tcgtgcagcc tctcagccac ccatcacgg	180
atggagagcc agaggcccc aagcctgcta aagcgagcag tcctcagggg tttgatgtgg	240
atcgagatgc caaaaagctg aacaaaggct gcaaaggaaat ggggaccata gaagcagcca	300
tcattgaaat cttatcgccc aggacatcg atgagaggca acaaatacg caaaaagtaca	360
aggcaacgta cggcaaggag ctggaggaag tactcaagag tgagctgagt gaaaacttcg	420
agaagacagc gttggccctt ctggaccgctc ccagcgagta cgccgccccg cagctgcaga	480
aggctatgaa gggctctggc acagatgagt ccgtcctcat tgaggtcctg tgacagagga	540
ccaataaggaa aatcatcgcc attaaagagg cctaccaaag gctatttgat aggagcctcg	600
aatcagatgt caaaggtgat acaagtggaa acctaaaaaa aatcctggtg tctctgtgc	660
aggctaatcg caatgaagga gatgacgtgg acaaagatct agctggtcag gatgccaaag	720
atctgtatga tgcagggaa ggccgctggg gcactgatga gcttgcggttc aatgaagtcc	780
tggccaagag gagctacaag cagttacgag ccacccctca agcctatcaa attctcattg	840
gcaaagacat agaagaagcc attgaagaag aaacatcagg cgacttgcag aaggcctatt	900
taactctcgat gagatgtgcc caggatttg aggactatt tgctgaacgt ctgtacaagt	960
cgatgaaggg tgcggggacc gatgaggaga cgttgattcg catagtcgt accagggccg	1020
aggtggacct tcaggggatc aaagcaaagt tccaaagagaa gtatcagaag tctctctcg	1080
acatggttcg ctcagatacc tccggggact tccggaaact gctagtagcc ctcttgcact	1140
gagccaagcc agggcaatag gaacacaggg tggaaaccacc ttgtcaaga gcacattcca	1200
aatcaaacctt gcaaatacgat ctcccgccacg aaaaccctta agagtcccg attactttct	1260
tggcagctt agtggcgccag ccaggccaaag ctgtgtaaat taagggcagt aacgtaaga	1320
tgcgtggca gggcacctt aactctggct tagcaagcat ctaggctgcc tcttcacttt	1380
cttttagcat ggtaactggaa tgtttctaa acactaatga aatcagcagt tgatgaaaaaa	1440
actatgcatt tgtaatggca catttagaag gatatgcattt acacaagtaa ggtacagggaa	1500
agacaaaattt aaacaatcta ttaattttcc ttctgtgtgt tcaatttgaa agcctcattt	1560
ttaattaaag ttgtggatta tgcctcta	

Homo sapiens serine protease inhibitor, Kazal type 1, mRNA (cDNA clone

cgcagaactt cagccatgaa ggtaaacaggc atctttottc tcagtgccctt ggccctgttg	60
agtcttatctg gtaacactgg agctgactcc ctgggaagag aggccaaatg ttacaatgaa	120
cttaatggat gcaccaagat atatgaccct gtctgtggga ctgatggaaa tacttateccc	180
aatgaatgcg tgttatgttt tgaaaatcg aaacgcgcoaga cttctatccc cattcaaaaaa	240
tctggccctt gctgagaacc aagggtttga aatccccatca ggtcacccgcg aggcctgact	300
ggccttattt ttgaataaaat gtatctgaat atcaaaaaaaaaaaaaaaaaaaaaaaa	360
aa	

Homo sapiens B cell linker protein BLNK mRNA, alternatively spliced

ccttcgtggc	cgcagccctgc	actctcagaa	atcagacttg	agtggccgga	acccttgaga	60
ccagaggcctt	accatgctgc	tcccttaggag	ggccaggaac	tgctgacgtg	accactggac	120
atttattcgt	gtctttaca	attaccaaac	agaatggaca	agcttaataa	aataaccgtc	180
cccgccagt	agaagttgag	gcagcttcaa	aatatggtcc	atgatattaa	aaacaatgaa	240
gttggaaataa	tgaataaaat	caaaaaagcta	aaagtcaaag	cacccccaag	tgttccctcgaa	300
agggactacg	cttcagagag	ccccgctgac	gaagaggagc	agtggtccga	tgactttgac	360
agcgactatg	aaaatccaga	ttagcactcg	gactcagaga	tgtacgtat	gcccggccgag	420
gagaacgctg	atgacagcta	cgagccgct	ccagtagagc	agggaaaccag	gccggttcac	480
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ccacccttca	gcaagacact	tcccagtaag	cccagctggc	cttcagagaa	agcaaggctc	600
acctccaccc	tgccggccct	gactgcttgc	cagaaacctc	aagtccacc	caaaccctaa	660
ggcctccttgc	aggatgagggc	tgattatgtg	gtccccgtgg	aagataatga	tgaaaaactat	720
attcatccca	cagaaagcag	ttcacctcca	cctgaaaaag	ctcccatgg	gaatagatca	780
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caacatagtc	ctttggttct	tattgacagt	cagaataaca	caaaggattc	caccagactg	1500
aagtatgcag	ttaaagtttc	ataaaaggggg	aaaaaaaaaga	tcaataccat	tgcttcagac	1560
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atcatccagt	aataaaatgg	aagatggagt	cagctattga	agtggtcatc	catttcttt	1680
taagaagctc	atgtggactt	tttcttattgc	ctgacccgtat	gaactgtttaa	tatctggtga	1740
ggtttagtta	tcatgtact	aatattttcc	aaataaaatat	ttttatTTT	aaaaaaaaaa	1800
aaaaaaa						

Homo sapiens cDNA FLJ12768 fis, clone NT2RP2001576, weakly similar to
HYPOTHETICAL 62.2 KD PROTEIN C4G8.12C IN CHROMOSOME I

agtctccgcg	ctgctgaggc	gcggccggcc	gctcccacgg	cctccccctcc	gccctgcggt	60
cccggccct	ccggggcctc	ctgggaccct	ggccctcgcc	gggcaggacg	ccgccagcgc	120
tgaaggcgca	gcccggaggc	cgcgccgatg	cagatctgtg	gatccagcgt	agcatctgt	180
gcagctggga	catcattcca	ggtttgggc	ccggtgtgtt	ggaacaact	ggatctgaag	240
atggcagtca	gggtgccttg	gggtggtctc	agcctgcctc	gagtgtgtg	gtgtctcctt	300
ccgcagacgg	gctatgtgca	cccagatgag	ttcttccagt	cccctgaggt	gatggcagag	360
gacatcctgg	gctttcaggc	cgcgccgccc	tggagttt	accggcagag	ctcctggcc	420
tcggtgctct	tccccctgt	gatctctgtt	tcacacctt	ggctgtctag	gtctggag	480
gagctggggc	cgtggcctgg	cctggtgagc	ggctatgcgc	tgctgggtgg	gcctcgactc	540
ctcctcactg	cccttcctt	tgctctggac	ggggccgtgt	accacctggc	ccgcggatg	600
ggggcggatc	gctggAACGc	cctggccctg	ctgtctgtt	cctacgtcac	cctggcttc	660
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cacgcgcggc	tcactcacct	ggcagtcaac	ggcttcctgc	tcttcggggt	gctgcatgcc	1140
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ggcctcctga	gggcactggg	tgcccgagc	ctgctgtcca	gccccaggtc	ctatctcctt	1260
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ccaagcacac	ccacccacta	cacactcctc	ttcactcaca	cctacatgcc	ccccccggcac	1560
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gactggggccc	tgtgcacaaac	cctgaaaagc	ttcaccagac	aaccagcctg	ccaagtggct	1680
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gagaagtgc	gtttccccctt	caagaatgaa	acacttttat	ttccccatct	gaccctggag	1800
gatccaccag	ccctgtcctc	cttgcgtagt	ggggcttgg	gggaccacct	cagtcttcac	1860
attgtggagc	tgggggaaaga	aacotgacaa	tatgacagag	cacccactgc	ccaagactca	1920
gccatagaag	atgcccggcc	accttctact	tggtagtgc	ggctgggacg	ctgggacagg	1980
acccctgtcct	cottcatgac	tcccactgct	gcctctctg	ggcatggctg	ttagctgttc	2040
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cttccagcca	ctgtgtatgt	tgaatatatgt	gatagtacct	ggttgtgaaa	aaagacaatg	2220
aactgttagt	gacatttcctc	aatgacctct	cccaaacctc	ccatgtatgcc	ttacccttgc	2280
tgtcatgaca	accctctgac	ttccctaagac	ccatctgcct	atcgaaatat	gtgcaagtca	2340
gtgagacgaa	gtatagagaa	caggtggccc	agatccaggg	gacccaactt	ctggccctt	2400
ggtctgtcac	ctccctcgctg	tgtgatcttg	agaaaagctcc	ttccactcac	ccaccccaact	2460
tcccagtctg	ttgggatcag	aggaactttg	aggtgtctgc	cggctaaacat	tgtgtcattc	2520
ctggagtcca	cagtacacgt	cccctgcctc	aacaggcaca	gctctcacaa	agctcttcaa	2580
gcatggaagt	gggagttgtg	ttgtacttca	tggcactctg	atgcctgtg	tctcagtg	2640
tggttattat	gcaaacaagt	aatgtttgaa	atataataata	gcactgg		

Homo sapiens glycine amidinotransferase (L-arginine:glycine amidinotransferase), mRNA (cDNA clone MGC:1744 IMAGE:3010128), complete

cgggaaggct	tggaccgacg	cggcccagag	gccaggaaca	ttccgcgcgt	ggaccagccg	60
ggccaggcgcg	atgctgcggg	tgccgggtct	gcgcggcg	agccgcggcg	ccgaggcggt	120
gcactacatc	ggatctcgcc	ttggacgaac	cttgacagga	tgggtgcagc	gaactttcca	180
gaggcacccag	gcagctacgg	cttccctcccg	gaactcctgt	gcagctgacg	acaaagccac	240
tgagcctctg	cccaaggact	gcctctgtctc	ttcttacaac	aatgggacc	ccttagagga	300
agtgtatgt	ggcagagcag	aaaacgcctg	tgttccaccg	ttcaccatcg	aggtaaggc	360
caacacatat	gaaaagtact	gcccattta	ccagaagcaa	ggagggcatt	atttcccaa	420
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aggagtgaca	gtaaggaggc	ctgaccccat	tgactggta	ttgaagtata	aaactcctga	540
ttttgagtct	acgggttat	acagtgcatt	gcctcgagac	atcctgatag	ttgtggcaa	600
tgagattatc	gaggctccca	tggcatggcg	ttcacgcttc	tttgagtacc	gagcgtacag	660
gtcaattatc	aaagactact	tccaccgtgg	cgccaaagtgg	acaacagtc	ctaagccac	720
aatggctgat	gagcttata	accaggatta	tcccatccac	tctgtagaag	acagacacaa	780
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cttcattcga	gctggaaagag	atatttttc	acagagaagc	caggttacaa	actacctagg	900
cattgaatgg	atgcgttaggc	atcttgcctc	agactacaga	gtgcataatca	tctcctttaa	960
agatccaaat	cccatgcata	ttgatgctac	cttcaacatc	attggacctg	gtattgtgt	1020
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cattactcct	ccAACACCAA	tcatcccaga	cgatcatcca	ctctggatgt	catccaaatg	1140
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tccaaattcaa	aagatgtttg	aaaagctggg	tatcactacc	attaaagtt	acattcgtaa	1260
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ctctaaatga	gagaaagact	tagaatgtac	acagatccaa	aatagaatca	gattatctct	1800
tttttctaa	aggagagaaa	gactttagaac	atacacagat	octaagttaga	accaggtaat	1860
tgtctcttt	tctaataagg	aatttgggtt	attttaatt	ttttgtttt	taaaaaataaa	1920
cctagactat	gaaaaacatc	aaagtgaatt	ttccatgaat	tttttaata	ttctcatctc	1980
aacattgtga	tatatgtctac	aaaaaacott	ttcatataca	tcttacatca	tttcaagtga	2040
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cgctatcagt	tcccattcct	aagtttgtat	atcaatatc	tgatagatac	actgcattt	2160
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ttaaaaaaaaaa	ctaatggagg	taaaacctaa	atgcgtatgt	aaataattt	agtgttgata	2280
ccgtatgtgt	attttattt	taataaaactt	ttgtgttcca	aaaaaaaaaa	aaaaaaaaaa	2340
aa						

Homo sapiens cDNA FLJ10143 fis, clone HEMBA1003281, weakly similar to POLIOVIRUS RECEPTOR PRECURSOR.

agcagaggga acagggaaga aacctaaagg ctgcaggctg ccaggtgtgc ttggagagcc	60
cccttcttcc gcccggcctc gcaagcagcg taggactgtg gagaaggcg gtggcaagg	120
agggaaactcg agacgcgcct ccatgggcac acaggaggc tggtgcctgc tgctctgcct	180
ggctctatct ggacgcgcag aaaccaagcc ccacccagca gaggggcagt ggccccgcgt	240
ggacgtggtc cttagactgtc tcctggcga ggacggtgcg caccgtggag ctctcgccag	300
cagtgaggac agggcaaggg cttcccttgt gctgaagcag gtgccagtgc tggacgatgg	360
ctccctggag gacttcaccc atttccaagg gggcacactg gcccaagatg acccacatat	420
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tgactgcagt gggaaaggagg tgacctgtga gatctccgc tacattctcc agatgacaga	540
gaccactgtt aagacagcag cttgggtcat gccaacgtg caggtctctg gacggggacc	600
tagcatctcc ttggtgatga agactcccg ggtcgccaaag aatgaggcgcc tctggcaccc	660
gacgctgaac ttgccactga gccccccagg gactgtgcga actgcagtgg agttccagg	720
gatgacacag acccaatccc tgagttcct gctgggtcc tcagcctcct tggactgtgg	780
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atgagactac tagaaagaaaa cgacaccctt ccccaagccc ccacagctac tccaacccaa	1620
acaacaacca agccagttt atggtaggaa ttgttatgtt ttgcctttgt tcagaataca	1680
tgacatttgtt aaat	

Homo sapiens leucine aminopeptidase 3, mRNA (cDNA clone IMAGE:2821948), partial cds

gtctggccgt	gagacgtttc	gggagccgga	gtctctccac	cgcagacatg	acgaagggcc	60
ttgttttagg	aatctattcc	aaagaaaaag	aagatgtatgt	gccacagtgc	acaagtgcag	120
gagagaattt	tgataaattt	ttagctggaa	agctgagaga	gactttgaac	atatctgac	180
cacctctgaa	ggcagggaaag	actcgaaacct	tttatggtct	gcatcaggac	ttccccagcg	240
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ccgaaattat	tgagaagaat	ctcaaaagt	ctagtagtaa	aaccgaggtc	catatcagac	660
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tcgtgtctgc	tgcaaagctt	aatttgc	ttatattat	aggtctggcc	cctctttgtt	960
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caaaatttgc	actcagattt	gtgatgt	gaacatgagc	aaactgaaaa	ttactatgc	1860
cttgtcagaa	acaataaattt	caacttgc	tgctcaaaaa	aaaaaaaaaa	aaaaaaaaaa	1920
aaaaaaaaaa	aaaaaaaaaa					

Homo sapiens mRNA for protein phosphatase 4 regulatory subunit 2 (PPP4R2 gene)

actgtacaaa tgctttattt ctattcaata	tttagaaagac agttataaac aagatgcatt	60
caatagcatg gtggcagatg aacatcagga	aggaacatcc atgagcttcc atccacggaa	120
cctcaccatg gatacgctg tgatcaaggg	cctggcttcc cctcaagaca cggtcacaga	180
tcagaggcca caccatctca gcagtgagc	agtaccagct gggacagggt ccttctgtga	240
cacctgctgc atcaccaggc tgggtgaacg	gacacaatig ccagaactca cagaatagaa	300
gtatcagcac cgaaacctca cagaaaaat	ggtaaatctt aagttctcc attaatagta	360
actctcagat taatctctgt catccatcgc	ttctccaaga aatgacttt tagggatg	420
tgccaggcgc catgttggag ggctgggtgt	agcggcttg ggaggtgctc actctgtcgg	480
tcttgcttc tcgcacgcgtt cccccggctc	ccttcgttc ccccccccg tcgcctgcgt	540
gccggagtgt gtgcgagggc gggggagggc	gtcggggggg tggggggagg cgttccggc	600
cccaaagac ccgcggaggc aggccgaggc	tgtgaggac tccgggaagc catggacgtc	660
gagaggctcc aggaggcgtc gaaagattt	gagaagaggg gaaaaaggaa agtttgcct	720
gtcctggatc agtttcttg tcatgttagcc	aagactggag aaacaatgat tcagtgtcc	780
caatttaaag gctattttat ttcaaaactg	gagaaaatgtg tggatgattt cagaacttca	840
gctctgagc caagaggccc tcccaaccct	aatgtcaat atattccctt tgatgaaatg	900
aaggaaaagaa tactgaaaat tgtcaactgga	tttaatgta tcccttttac tattcagcga	960
ctatgtaat tgtaaacaga tccaaggaga	aactatacag gaacagacaa atttctcaga	1020
ggagtagaaa agaacgtgtat ggttgttagc	tgtgtttatc ttcttcaga gagaacaat	1080
tccaatagtt taaatcgaat gaatgggtgt	atgtttctgt gaaatgcacc aagctatact	1140
gagaggtcta atataaatgg gcctggaca	cccaggccac gtaatcgacc aaaggttct	1200
ctgtcagccc ccatgacaaac aaatgggtgg	cctgagagca cagacagcaa agaggcaa	1260
ttgcagcaaa atgaggagaa aactcacagt	gactttcga catctgaatc agaagttcc	1320
tcagttagcc ctttgagaaa taaacatcca	gatgaagatg ctgtggaaagc tgagggcat	1380
gaggtaaaaa gactcagggt tgacaaagaa	ggtgaagtca gagaaaacagc cagtcaacg	1440
acttccagcg aaatttcttc agttatgta	ggagaaaacag aagcatcatc ttcatctcag	1500
gataaaagaca aagatagccg ttgtacccgg	cagcactgta cagaagagga tgaagaagag	1560
gatgaagagg aagaagaaga gtctttatg	acatcaagag aaatgatccc agaaaagaaaa	1620
aatcaagaaaa aagaatctga tgatgccta	actgtgaatg aagagacttc tgaagaaaat	1680
aatcaaataatgg aggaatctga tgtgtctcaa	gctgagaaaat atttgctaca ttctgaaggt	1740
agtggaaaacg aaggccctga aagtaagtgg	ttcttctgac tgcgtgaaa cagaaaaatt	1800
agttaggaacc aattcccagt aaaactggaa	agaatcttc cagaatcatc ccatggataa	1860
tgatgacgaa gccacagaag tcaccgatga	accactgaa caagactatt tagaaacatt	1920
tacatgcagt attttacaca cagttctgg	tttaacactg tataaaaactt ttatgtaaaa	1980
aagtgcaccc ttagtttac aagtaaagca	ggttgtaaaa taaagtactt tatggataat	2040
tcctgaaaag		

Human mRNA for (2'-5') oligo A synthetase E (1,6 kb RNA)

gaggcagttc	tgttgccact	ctctctcctg	tcaatgatgg	atctcagaaaa	taccccagcc	60
aaatctctgg	acaagtcat	tgaagactat	ctcttgcag	acacgtgtt	ccgcatgcaa	120
atcgaccatg	ccattgacat	catctgtggg	ttcctgaagg	aaaggtgctt	ccgaggttagc	180
tcctaccctg	tgtgtgtgtc	caaggtggta	aagggtggct	cctcaggcaa	gggcaccacc	240
ctcagaggcc	gatctgacgc	tgacctgggt	gtcttcctca	gtcctcteac	cactttcag	300
gatcagttaa	atcgccgggg	agagttcatac	cagaaatta	ggagacagct	ggaagcctgt	360
caaagagaga	gagcacattc	cgtgaagttt	gagggccagg	ctccacgctg	gggcaacccc	420
cgtgcgctca	gcttcgtact	gagttcgctc	cagctcgggg	aggggggtgga	gttcgatgtg	480
ctgcctgcct	ttgatgccct	gggtcagttt	actggcagct	ataaacctaa	cccccaaatac	540
tatgtcaagc	tcatcgagga	gtgcaccgac	ctgcagaaaag	agggcgagtt	ctccacctgc	600
ttoacagaac	tacagagaga	cttcctgaag	cagcggccca	ccaagctcaa	gagccctcatc	660
cgccttagtca	agcactggta	ccaaaattgt	aagaagaagc	ttgggaagct	gccacctcag	720
tatgccctgg	agctcctgac	ggtctatgct	tgggagcag	ggagcatgaa	aacacatttc	780
aacacagccc	aaggatttcg	gacggctttt	gaattagtca	taaactacca	gcaactctgc	840
atctacttgg	caaagtatta	tgactttaaa	aacccatta	ttgaaaagta	cctgagaagg	900
cagctcacga	aacccaggcc	tgtgatcctg	gacccggcgg	accctacagg	aaacttgggt	960
ggtggagacc	caaagggttg	gaggcagctg	gcacaagagg	ctgaggcctg	gctgaattac	1020
ccatgcttta	agaattggga	tgggtccccca	gtgagctct	ggattctgct	ggtgagacct	1080
cctgcttcct	ccctgccatt	catccctgcc	cctctccatg	aagcttgaga	catatactg	1140
gagaccattc	tttccaaaga	acttacctct	tgccaaaggc	catttatatt	catatactg	1200
caggctgtgc	tccatatttt	acagtcat	tggtcacaat	cgagggtttc	tggatatttc	1260
acatcccttg	tccagaattc	attcccctaa	gagtaataat	aaataatctc	taacacccaaa	1320
aa						

Homo sapiens A-kinase anchoring protein 18 beta mRNA, complete cds.

gctcgccagac tggctataa actgcaattt ctatgggg tcctcacgga gaagaacacc	60
aggaaagaca gacaggacca gtgcgttgc ccagcttc tgccttcctt tctcaagaga	120
tgaaggaaaa atcagtgaat tggaaagctc gtcctctgca gtccataaaa gatacagcaa	180
ggatatacccc agttggtaa gtggtaaaa gaacggaggg gagcccgatg acgctgaact	240
agtaaggccc agtaagggc tggtggagaa cgcgggtctc aaggctgtcc agcagtatct	300
ggaggaaaca cagaataaaa acaagccggg ggaggggagc tctgtaaaaa ccgaagcagc	360
tgatcagaat ggcaatgaca atgagaacaa cagggaaatga gcccgaaacg caggccccca	420
tgctctgtg caaagcctcc ctgcctccct ctgctgagtc tag	

Homo sapiens peptidyl prolyl isomerase H (cyclophilin H), mRNA (cDNA clone

cttctgcttc	cgggtcgag	ccatggcggt	ggcaaattca	agtcctgtta	accccggtt	60
gttctttgat	gtcagtattg	gcggtcagga	agttggccgc	atgaagatcg	agctcttgc	120
agacgttgtg	cctaagacgg	ccgagaactt	taggcagttc	tgcaccggag	aattcaggaa	180
agatggggtt	ccaataggat	acaaaggaaag	cacccac	agggtcataa	aggatttcat	240
gattcagggt	ggagatttt	ttaatggaga	tggtaacttgg	gtcgccagta	tttaccgggg	300
gccatttgca	gatgaaaatt	ttaaacttag	acactcagct	ccaggccctgc	tttccatggc	360
gaacagtgg	ccaagtacaa	atggctgtca	gttcttatac	acctgctcta	agtgcgattt	420
gctggatgg	aagcatgtgg	tgtttggaaa	aatcatcgat	ggacttctag	tgtatgagaaa	480
gattgagaat	gttcccacag	gcuccaaca	taagccaaag	ctacctgtgg	tgtatctcgca	540
gtgtggggag	atgtatgtca	gacaaaagact	gaatcaggcc	ttcccttctt	cttgggtgt	600
ttcttgagta	agataatctg	gactggcccc	cgtcttgct	tccctgcctg	ctgctgcccc	660
atttgatcaa	gagaccatgg	aagtgtcaga	gattcagaat	ccaagattgt	ctttaagttt	720
tcaactgtaa	ataaaagttt	tttgtatgct	aaaaaaaaaa	aaaaaa		

Homo sapiens mRNA; cDNA DKFZp564C0362 (from clone DKFZp564C0362); complete cds

gggggaggct	gtgatgggtt	gacaggtgcg	tgacagtggg	agctgctctc	ggcacaaagca	60
tgtacggcaa	aggcaagagt	aacagcagcg	ccgtccccgtc	cgacagccag	gcccgggaga	120
agtttagca	ctacgtata	aatatctgc	tccatgtagg	agctcagaaaa	tcagctaaa	180
cattttatc	agagataaga	tggaaaaaaa	acatcacatt	gggggaacca	ccaggattct	240
tacattcttgc	gtggtgtgt	ttttggatc	tctactgtgc	agctccagag	agacgtgaaa	300
catgtaaaca	ctcaagtgaa	gcaaaaagcct	tccatgatta	cagtgctgca	gcagctccc	360
gtccagtgt	aggaaacatt	cccccaggag	atggcatgcc	agtaggtcct	gtaccaccag	420
ggttcttca	gccttttatg	tcacctcggt	accctggagg	tccaaaggccc	ccattgagga	480
tacctaattca	ggcaatttgg	ggtgtcccg	gaagtcagcc	attactcccc	agaggaatgg	540
atccaactcg	acaacaagga	catccaaata	tgggtgggcc	aatgcagaga	atgactcc	600
caagaggaat	ggtgcctta	ggaccacaga	actatggagg	tgcataatgaga	ccccactga	660
atgcctttag	tggcccttgg	atgccttggaa	tgaacatggg	tccaggtgg	ggtagacctt	720
ggccaaaccc	aacaaatgcc	aattcaatac	cataactctc	agcatctcct	gggaattatg	780
tagtcctcc	aggaggttgg	gggcaccag	gaacaccat	catgcctagt	ccagcagatt	840
caaccaactc	tggtataaac	atgtatactt	taatgaatgc	agtacccct	ggacctaaca	900
gacctaattt	tccaatgggc	cctgggtcag	atggcccat	gggtggatta	ggaggaatgg	960
agtacacatca	catgaatggc	tctttaggt	caggagatat	ggacagtatt	tccaagaatt	1020
ctcccaataa	tatgagctg	agtaatcaac	cgggcactcc	aaggatgtat	ggcgaatgg	1080
ggggaaattt	cttaaatctt	tttcagagt	agagttactc	ccctagcatg	acaatgagcg	1140
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aaccaacctt	ttcattttct	gctctctccc	ctctttgt	aagaaagcgg	gtccagatgt	1320
gattcaaaca	actgtacgga	gtggcatatt	agaattgccc	taaactgaac	tgcaaataat	1380
tatgtgttgc	tgtatatgt	tggaaagag	aatgtactgt	atatgttat	gttatacaga	1440
catatacaca	tacatacatt	gaccacagg	acattgtaaa	atattatcac	atgacatctt	1500
aagttagaaat	aagttagggac	ttttattcca	tcctttttt	cacgtttaca	ttttaattat	1560
tacaagttgc	tcctgcccc	tccctgaact	attttgtgt	gtgtatatca	ctgctttata	1620
taagttat	tttaaggtga	actcagatgt	tatggtttg	tatatgtctg	caatcatgga	
taggaataaa	atcgcttatt	tgagagctt	aaaaaaaaaa	aaaaaaaaaa	c	1680

Human interferon-induced cellular resistance mediator protein (MxB) mRNA,
complete cds.

aagagatgat ttctccatcc	tgaacgtgca gcgagcttgt	caggaagatc ggagggtgcc	60
agttagcagag aaagcatccc	ccagctctga cagggagaca	gcacatgtct aaggcccaca	120
agccttggcc ctaccggagg	agaagtcaat tttcttctcg	aaaatacctg aaaaaaagaaa	180
tgaattcctt ccagcaacag	ccaccggccat tcggcacagt	gccaccacaa atgatgtttc	240
ctccaaactg gcagggggca	gagaaggacg ctgtttctct	cgccaaggac ttcaactttc	300
tcactttgaa caatcagcca	ccaccaggaa acaggagcca	accaagggcg atggggcccg	360
agaacaacct gtacagccag	tacgagcaga aggtgcgc	ctgcattgac ctcattcgact	420
ccctgcgggc tctgggtgt	gagcaggacc tggccctgcc	agccatcgcc gtcattgggg	480
accagagctc gggcaagagc	tctgtgtcgg aggcaactgtc	aggagtgcgc ctteccagag	540
gcagcggaat cgtaaccagg	tgtccgtcgg tgctgaaact	aaaaaaagcag cctgtgagg	600
catggcccg aaggatcagc	taccggaaaca ccgagctaga	gttcaggac cttggccagg	660
tggagaaaga gatacacaaa	gcccagaacg tcatggccgg	gaatggccgg ggcattcagcc	720
atgagctcat caggctggag	atcacccccc ctgaggttcc	agacctgacc atcattgacc	780
ttcccgccat caccagggt	gctgtggaca accagccccg	agacatcgga ctgcagatca	840
aggctctcat caagaagtac	atccagaggc agcagacgt	caacttggtg gtgtttccct	900
gtaacgtgga cattgccacc	acggaggcgc tgacatggc	ccatgggtg gacccggaa	960
gggacaggac catcggtatc	ctgaccaaacc cagatcta	ggacaggggc actgagaaaa	1020
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atcagtacat ccagcagctg	gtggagcccg cccttagcat	gctccagaaa gccatggaaa	1680
ttatccagca agtttcatt	aacgtggcca aaaaacattt	tggcgaattt ttcaacctt	1740
accaaactgt tcagagcag	attgaagaca taaaagtga	acacacagca aaggcagaaa	1800
acatgatcca acttcagttc	agaatggagc agatggttt	ttgtcaagat cagatttaca	1860
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atatgaagtt gaactctcat	tttcccagta atgagtc	ggtttctcc ttactgaaa	1980
taggcattcca cctgaatgc	tacttcttgg aaaccagcaa	acgtctcgcc aaccagatcc	2040
catttataat tcagtat	atgctccgag agaatggta	ctccttgcag aaagccatga	2100
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tctgtcaatt ctccagcaaa	gagatccact gaaggcggc	gatgcctgtg gtgtttct	2280
tgtgcgtact cattcattct	aaggggagtc ggtcaggat	gccgcttcg ctttggggcc	2340
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tcccagcctc tccactcccc	cgccagaaaag gagcctgagt	gattcttctt ttcttctt	2880
tccctgatta tgatgagctt	ccattgttctt gttaagtctt	gaagaggaat ttaataaagc	2940
aaagaaaactt tttaaaaacg	t		

Human Ro/SSA ribonucleoprotein homolog (RoRet) mRNA, complete cds.

gaccacacgcg	tccggaaaagc	tatggccctca	accaccagca	ccaagaagat	gatggaggaa	60
gccacactgt	ccatctgcct	gagcctgatg	acgaacccag	taagcatcaa	ctgtggacac	120
agctactgcc	acttgtgtat	aacagacttc	ttaaaaaacc	caagccaaaa	gcaactgagg	180
caggagacat	tctgtgtcc	ccagtgtcg	gctccatttc	atatggatag	cctccgacc	240
aacaaggcgc	tggaaagcct	cattgaagcc	ctcaaagaga	cggatcaaga	aatgtcatgt	300
gaggaacacg	gagagcagtt	ccacctgttc	tgCGAAGACG	agggggcagct	catctgtgg	360
cgctgtgagc	gggcaccaca	gcacaaagg	cacaccacag	ctcttggta	agacgtatgc	420
cagggctaca	aggaaaagct	ccagaaaagct	gtgacaaaac	tgaagcaact	tgaagacaga	480
tgtacggagc	agaagctgtc	cacagcaatg	cgaataacta	aatggaaaga	gaaggtacag	540
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gagaagtctt	atctctggag	gctggagaaa	gaagaacaac	agactctgag	tagactgagg	660
gactatgagg	ctggctgtgg	gctgaagagc	aatgaactca	agagccacat	cctggaaactg	720
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gtgactctgg	atccagatac	agctcatcac	gaactaattc	tctctgagga	tccggagacaa	960
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ccctgtgtct	tgggttgtga	aggcttcc	tcaggaagac	gttacttga	agtggatgtt	1080
ggcgaaggaa	ccggatggg	tttaggagtt	tgtatggaaa	atgtgcagag	ggcactggc	1140
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gttagactta	cttcccccc	aacttccctt	cattctgcatg	agcagccct	gtttgtggg	1260
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tattttaaaa	tctcagtaaa	tagttatgc	tgaaatggct	gttggcagtt	cttattatga	2160
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aggagttcaa	caccagcctg	gccaaatctt	tgaaaccctg	tctctactaa	aaatacaaaa	2460
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agggagatata	aaaagagttc	aaacttgc	ccatgttccc	cagggtcaga	agttctaatt	2760
atgatgata	aggctgggtt	gtaaatgtt	gttgcgtt	agcagaatat	gccatcttt	2820
gcataagaag	tatgttgcgtt	tgaatgtt	gttgcgtt	aaaaaaa	aa	2872

Homo sapiens cDNA FLJ10465 fis, clone NT2RP1001616.

actctgctgc	cggcttctcg	gagcggcgct	gggcgaccag	agcagggtcg	agatgtccta	60
catcccccggc	cagccggta	ccgcccgtgg	gcaaagagg	gaaattcaca	agctgcgtca	120
aggtgagaac	ttaatcctgg	gttcagcat	tggaggtgga	atcgaccagg	acccttccca	180
aatcccttc	tctgaagaca	agacggacaa	ggtgaggggg	tctggggtcc	tgggaccgct	240
ccatggggca	caggggcctg	agatggtggg	tctctgctc	ctggcctgc	atggaaaggaa	300
cagacttcat	ctctcaaacc	atgctctcta	agaaggcatc	ggaagtgacc	tagtgagaat	360
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tgccatgctg	gcttccgctg	tgtgataagg	ggccagtcca	gtgaccacag	ggcttgactt	600
gggctgcccc	tttccagggt	atttatgtca	cacgggtgtc	tgaaggaggc	cctgctgaaa	660
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aataaggttt	gggcaagcag	gtctgaagca	cttgggggtg	gggagctgcc	ccagcctccc	780
agctgggaga	gactcaactgc	agccaattgg	gaacccatac	tggcattgcc	ccagaggacg	840
ctggctttct	ctcctgtgt	tctcagccac	agtgcgttgt	gtctcccagc	cctgggatgt	900
taggctgggg	gcctacttga	atgacctggg	cccccaaagc	cctctgcttc	cagatccca	960
aggcggggga	gctgaggtga	gcctgtgttc	tctctgggg	ccaggtgaac	ggctgggaca	1020
tgaccatgg	cacacacgac	caggcccgca	agcggctcac	caagcgctcg	gaggagggtgg	1080
tgcgtctgct	ggtgacgcgg	cagtcgtgc	agaaggccgt	gcaggcgtcc	atgctgtcct	1140
agcagccacc	accatgtgcg	actcctgcct	gcccgccttc	tgtacagtaa	cgccacttcc	1200
acactctgtc	cccatctggc	ttctgctgac	cgctggccc	cagtcagaa	ggctatacg	1260
tggtcccaga	ggcctggcct	ggccttcctt	cccttctccc	atccctggcc	tggggcctct	1320
gggaccagct	ttctctcctg	gacaccgagg	attggaaata	agggcctgga	gctgagtagt	1380
agccagtctg	ctgtgaccac	aggctcagg	ccgaccctgc	tgcctggcca	cagcagtggc	1440
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ccaggcctt	cccgcttttg	cctggctgca	gggttcggct	ccgcctcgc	cccccagccc	1560
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ggcgctacga	agctttgccc	agatgaaagcc	aggtgggctc	cgcgttca	cccactctcc	1680
cgaggggtgc	tgcctcccc	agggttgc	ttcttacg	tttagacgag	gttcgaggct	1740
cacctatcag	ggcagctctc	aggatgtca	ttttcctt	tgcctgtggg	tttaactttt	1800
gtatTTTTT	aatcacaagt	ttgataca	aaa	atgttttat	cgt	1843

Homo sapiens histone 2, H2aa, mRNA (cDNA clone MGC:2238 IMAGE:3536984),
complete cds.

ccaggcagga gtttctctcg	gtgactacta tcgctgtcat	gtctggtcgt ggcaagcaag	60
gaggcaaggc	ccgcgccaag gccaaagtgc	gctcgccccg cgctggcctt cagttcccgg	120
tagggcgagt	gcatcgcttg ctgcgc当地 aag gcaactacgc	ggagcgc当地 gagtggcg	180
cgcccgtcta	catggctgcg gtcctcgagatctgaccgc	cgagatcctg gagctggcg	240
gcaacgcggc	tcgggacaac aagaagacgc gcatcatccc	tcgtcacctc cagctggcca	300
tccgcaacga	cgaggaactg aacaagctgc tggcaaagt	caccatcgcc cagggcggcg	360
tcttgcctaa	catccaggcc gtactgctcc ctaagaagac	ggagagtcac cacaaggcaa	420
agggcaagtg	aggctgacgt ccggcccaag tggcccagc	ccggcccgcg tctcgaagg	480
gcacctgtga	actcaaaaagg ctctttcag agccacccac	gttttcaaataaaagagttg	540
ttaatgctga	aaaaaaaaaaaa		

Homo sapiens transcription factor ISGF-3 mRNA, complete cds.

attaaacctc	tcgcccagcc	cctccgcaga	cctcgcccg	gaaagttca	tttgcgttat	60
gccatcccg	agagctgtct	aggtaacgt	tgcactctg	tgtatataac	ctcgacagt	120
ttggcaccta	acgtgctgtg	cgtagctgct	cctttgggtt	aatccccagg	cccttgggg	180
ggcacaagg	ggcaggatgt	ctcagtggt	cgaacttcag	cagcttact	caaattcct	240
ggagcaggtt	caccagttt	atgatgacag	tttcccatg	aaaatcagac	agtacactgg	300
acagtggta	aaaaagcaag	actgggagca	cgtgccaat	gatgttcat	ttgcccacat	360
ccgtttccat	gacctccgt	cacagctgga	tgtcaatat	agtgcgtttt	cttggagaa	420
taacttctt	ctacagcata	acataaggaa	aagcaagcgt	aatttcagg	ataatttca	480
ggaagaccca	atccagatgt	ctatgatcat	ttacagctgt	ctgaaggaag	aaaggaaaat	540
tctggaaaac	gcccgagat	ttaatcaggc	tcagtcgggg	aatattcaga	gcacagtgt	600
gttagacaaa	cagaaagagc	ttgacagtaa	agtcaagaaat	gtgaaggaca	aggttatgt	660
tata gagcat	gaaatcaaga	gcctggaa	ttacaagat	aatatgtact	tcaa atgcaa	720
aacctgcag	aacagagaac	acgagacca	tggtgtggca	aagagtgtac	agaaacaaga	780
acagctgtt	ctcaagaaga	tgtatttaat	gttgacaat	aagagaaaagg	aagtatgtca	840
caaaaataata	gagttgtca	atgtcaactga	acttacccag	aatgcctgt	ttaatgtga	900
actagtggag	tggaaagcgg	gacagcagag	cgccctgtatt	ggggggccgc	ccaatgctt	960
cttggatcc	ctgcagaact	ggttcaactat	attgcggag	agtctgcgc	aagttcgcc	1020
gcagcttaaa	aagttggagg	aatttggaa	aca gaaatacacc	tacgaacat	accctatcac	1080
aaaaaaacaaa	caagtgttat	gggaccgcac	:cttcagtctt	ttccagcgc	tcattcagag	1140
ctcgtttgt	gtggaaagac	agccctgcac	gccaacgcac	cctcagag	cgctggctt	1200
gaagacaggg	gtccagttca	ctgtgaagtt	gagactgtt	gtgaaattgc	aagagctgaa	1260
ttataattt	aaagtcaag	tcttatttga	taaagatgt	aatgagagaa	atacagtaaa	1320
aggatttagg	aagttcaaca	ttttggc	gcacacaaa	gtgtgaaca	tggaggagtc	1380
caccaatggc	agtctggcgg	ctgaatttgc	gcacctgca	ttgaaagaac	agaaaaatgc	1440
tggcaccaga	acgaatgagg	gtccctcat	cgttactgaa	gagcttca	cccttagt	1500
tgaaacccaa	ttgtgcagc	ctggtttgtt	aatttgcac	gagacgac	ctctgccc	1560
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ggctcagtt	tcagaagtgc	tgagttggca	gtttcttct	gtcacaaaa	gaggctctaa	1740
tgtggaccag	ctgaacatgt	tgggagagaa	gttcttgtt	cctaacgc	gccccgatgg	1800
tctcattccg	tggacgaggt	ttttaagga	aaatataaaat	gataaaaatt	ttcccttct	1860
gctttggatt	gaaagcatcc	tagaactcat	taaaaaacac	ctgctcc	tctggaat	1920
tgggtgcac	atgggcttca	tcagcaagga	gcgagagcgt	gccctgtt	aggaccagca	1980
gccggggacc	ttcctgtgtc	ggttcagtg	gagctcccg	gaagggcc	tcacattc	2040
atgggtggag	cggtcccaga	acggaggcga	acctgactt	catgcgtt	aaccctacac	2100
gaagaaagaa	ctttctgtc	ttacttccc	tgacatcatt	cgcaattaca	aagtcatgg	2160
tgcgtgaaat	attcctgaga	atccccctgaa	gtatctgtat	ccaaatattt	acaaagacca	2220
tgccttttgg	aagtattact	ccaggccaaa	ggaagcacca	gagccatgg	aacttgcatt	2280
ccctaaagga	actggatata	tcaagactga	gttgatttct	gtgtctgt	ttcaccc	2340
tagacttc	accacagaca	acctgctccc	catgtctt	gaggagttt	acgagggtgt	2400
tcggatagt	ggctctgtag	aatttgcac	tatgtat	acagtataga	gtatgaattt	2460
ttttcatctt	ctctggcgac	agttttctt	ctcatctgt	attcccttct	gtactctgt	2520
tccttcacat	cctgtgttt	tagggaaat	aaagaaaggc	cagcaaaattt	gtgcacac	2580
gttgcata	agtgtat	tctctactt	agaaacatca	gttactctgt	agggcatcat	2640
gtatcttact	gaaggtaaa	ttgaaaggca	tttctgt	agtggtttt	acaagtgaaa	2700
aacatccaga	tacacccaaa	gtatcaggac	gagaatgagg	gtcctttgg	aaaggagaag	2760
ttaagcaaca	tctagcaaaat	gttatcgt	aagtca	ccaaactgtt	taggtgtt	2820
gataaaatc	tgggtat	ggaaactgt	tgacgttag	acggttattt	tctgtggag	2880
aatttcttaca	tgtttctt	gctttactgt	taactggcag	tttccattt	gttacactgt	2940
gaaatagg	aaagccaat	ttatataca	ttatatacgt	cctttttca	aggttagccat	3000
catggatct	gtagggggaa	aatgtgtatt	tttacatc	ttcacattt	gttatttt	3060
gacaaagaca	aattctgttt	cttgagaaga	gaatatttgc	tttactgttt	gttatggctt	3120
aatgacacta	gctaataatca	atagaaggat	gtacatttco	aaattoacaa	gttgtgttt	3180
atatccaaag	ctgaatacat	tctgcttca	tcttggtcac	atacaattt	ttttacagtt	3240

ctccccaaagg agttaggcta ttcacaacca ctcattcaaa agttgaaatt aaccatagat	3300
gtagataaac tcagaaaattt aattcatgtt tcttaaatgg gctactttgt cctttttgtt	3360
attaggggtgg tatttagtct attagccaca aaatgggaa aggagtagaa aaagcagtaa	3420
ctgacaacctt gaataataca ccagagataa tatgagaatc agatcatttc aaaactcatt	3480
tcctatgtaa ctgcatttag aactgcataat gtttcgctga tatatgtgtt tttcacattt	3540
gcgaaatgggtt ccatttctc tcctgtactt ttccagaca cttttttgag tggatgatgt	3600
ttcgtgaagt atactgtatt ttacaccc tccttcctta tcactgacac aaaaagtaga	3660
ttaagagatg ggtttgacaa gtttcttccc ttttacatac tgctgtctat gtggctgtat	3720
cttgggttttc cactactgct accacaacta tattatcatg caaatgcgtt attttttttt	3780
ggggagata aagatttctt gagtttgg ttaaaattaa agctaaagta tctgtattgc	3840
ataaaatata atatcgacac agtgctttcc gtggcactgc atacaatctg aggccctc	3900
tctcagttt tatatagatg gcgagaacct aagttcagt tgattttaca attgaaatga	3960
ctaaaaaaca aagaagacaa cattaaaaac aatattgttt cta	4003

Homo sapiens mRNA; cDNA DKFZp564K2478 (from clone DKFZp564K2478); complete

agtcccacg tggactcag cagcggaggc tggacgcctt catggcgctt gagagattcc	60
atcgtgcctg gtcacataa gcgcctcctg gaagtgaagt cgtgcgttcc tgaacgcggg	120
ccaggcagct gcggcctggg ggttttggag tgatcacgaa tgagaaggc gtttgggctc	180
ctgaggcaaa tctgtcagtc catcctggct gagtccctcg agtccccggc agatcttcaa	240
aaaaagaagg aagaagacag caacatgaag agagagcagc ccagagagcg tcccaggggc	300
tgggactacc ctcatggct ggttggttt cacaacattt gacagacctg ctgccttaac	360
tccttgattc aggtgttcgt aatgaatgtt gacttcacca ggatattgaa gaggatcacg	420
gtgcccgagg gagctgacga gcagaggaga agcgtccctt tccagatgtt tctgtgtctg	480
gagaagatgc aggacagccg gcagaaagca gtgcggccccc tggagctggc ctactgcctg	540
cagaagtgc acgtgcctt gtttgcctt catgtgctt cccaaactgtt cctcaaactc	600
tggAACCTGA ttaaggacca gatcactgtt gtgcacttgg tggagagact gcaggccctg	660
tatacgatcc gggtaagga ctccctgtt tgcgttact gtgcctatggg gatgtcaga	720
aacagcagca tgctcaccct cccacttttctt ctttttggat tggactcaaa gcccctgaag	780
acactggagg acgcctgca ctgccttc cagcccgagg agttatcaag caaaagcaag	840
tgcttctgtt agaactgtgg gaagaagacc cgtggaaac aggtttgaa gctgaccat	900
ttgccccaga ccctgacaat ccacccatg cgattctcca tcaggaattt acagacgaga	960
aagatctgcc actccctgtt cttcccccag agtttggatt tcagccagat ctttcaatg	1020
aagcgagagt cttgttatgc tgaggagcag tttggaggcc agtatgagct ttttgcgtt	1080
attgcgcacg tggaaatggc agactccgtt cattactgtt tctacatccg gaatgtgtt	1140
gatggaaaat gtttgcctt caatgactcc aatatttgc ttgtgtctg ggaagacatc	1200
cagtgtacctt acggaaatcc taactaccac tggcaggaaa ctgcataatct tctggtttac	1260
atgaagatgg agtgctaattt gaaatgcctt aaacccatcg agatttgcac gctgtcat	1320
tccatcccg ttccctggatc tacggagtct tctaagagat tttgcataatgaa ggagaagcat	1380
tgttttcaaa ctatataact gaggcttatt tataatttgg gatattatca aatatgtttaa	1440
ccatgaggcc cctcagggtcc tgatcgtca gaatggatgc tttcaccatcg agacccggcc	1500
atgtggctgc tcggctctgg gtgcgtctg ctgtgcataa cattagccct ttatgttatgaa	1560
gcctgtggga acttcagggg ttccctgg ggagagcagt ggcagtggga ggcatactggg	1620
ggccaaaggt cagtggcagg gggattttca gtattataca actgcgtgtt ccagacttgt	1680
atactggctg aatatcagtg ctgtttgtt ttttccattt tgagaaccaa cattaattcc	1740
atatgaatca agtgtttgtt aactgcattt catttattca gcaaataattt attgtatcatc	1800
tcttctccat aagatagtgtt gataaaacaca gtcatgaata aagtttatttt ccacaaaaaaaaa	1860
aaaaaaaaaaaa aaaa	1874

Homo sapiens cDNA FLJ20073 fis, clone COL02320.

aaaatttgaa	gacaagatgg	gcacctactc	tacaattctg	ataaaaacag	aggtcatcg	60
atgtggAAC	tactgtggAG	tacgcATCAT	tcactcttG	attgcAGAGT	tctcaCTGGA	120
agaATTGAAg	aaaAGCTATC	acCTGAATAA	aagtcaAAATT	atgttggATA	tgctaACTGA	180
gaATTGTTc	ttcGATACTG	gtatGGAAA	aagtaAAATT	ttgcaAGATA	tgcacACACT	240
cctACTcACA	agacACCgCG	atgaACATGA	aggtaAAACA	ggaATTGgt	tttcccATT	300
tattGAAGCA	ttacATAAAG	atgaAGGAA	tgaAGCAGT	gaAGCTGTAT	tgcttGAAAG	360
tatCCATCGG	ttcaACCCAA	atgcATTcat	ttgccaAGCG	ttgcaAGAC	atttctACAT	420
taaaaaAGAAg	gactTTGGCA	atgcTCTAA	ctgggcaAA	caagcaAAAA	tcatAGAAC	480
tgacaATTCT	tatATCTCAG	atacACTGGG	tcaAGTCTAC	aaaAGTAaaa	taAGATGGTG	540
gatAGAGGAA	aacGGAGGAA	acggAACAT	ttcAGTGTAT	gatctaATTG	ctctttGGA	600
tttagcAGAA	catGCCTCAA	gtgcATTCAA	agaATCTCAA	cagcaaAGTG	aAGATAGAGA	660
gtatGAAGTG	aaggAAAGAT	tgtatCCGAA	gtcaAAAGG	cggtatGATA	cttacaATAT	720
agctGGTTAT	caaggAGAGA	tagaAGTTGG	gtcttACACA	atccAAATTc	tccAGCTCAT	780
tcctttttt	gataATAAAA	atgAGCTATC	taaaAGATAT	atggTCATT	ttgtatCAGG	840
aagtAGTGTAT	attCCAGGGG	atccAAACAA	tgaATATAAA	ttagccCTCA	aaaACTATAT	900
tccttATTTA	actAAATTGA	aattttCTTT	gaaaaAGTCC	tttgatTTTT	ttgatGAATA	960
ctttgtCCTG	ctaaaACCCa	ggaACAATAT	taagcaAAAT	gaagAGGCCA	aaactCGGAG	1020
aaaggTGGCT	ggatATTTA	agaaATATGT	agatATATT	tgtctCTTAG	aagaATCACA	1080
aaacaACACA	ggTCttGGAT	caaAGTTCAG	tgagCCACTT	caAGTAGAGA	gatgcAGGAG	1140
aaacCTAGTA	gtttAAAGAG	cagacaAGTT	ttctGGGCTC	ttgGAATATC	ttatCAAAG	1200
tcaAGAGGAT	gttATAAGCA	ctatGAAATG	tatgtGAAC	gaatATAACTT	ttctCTTAGA	1260
acaATGCACT	gtcaAAATCC	agtcaAAAGA	aaagCTAAAT	ticatCTTG	ccaACATTAT	1320
tctCTCCTGT	atccAAACCTA	cctCCAGATT	agtaAAAGCA	gttGAAAAC	taaaAGATCA	1380
gcttCGAGAA	gtctTGCAAC	caatAGGACT	gacttATCAG	ttttcAGAAC	cgtatTTCT	1440
agctTCCCTC	ttattCTGc	cagAAAATCA	acaACTAGAT	caacATTCTG	aacaAAATGAA	1500
agagtATGCT	caAGCActAA	aaaATTCTT	caaggGGCAA	tataAAACATA	tgcATCGTAC	1560
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caaAGGAAAA	attGACCAGT	gtttAAGAA	gacACCAGAT	attaATTCT	tgtGGCAGAG	1680
tggAGATGTG	tggAGGAGG	aaaAGTCCA	agaACTTTG	cttcGTTAC	aaggTCGAGC	1740
tgAAAACAAT	tgtttATATA	tagaATATGG	aatcaATGAA	aaaATCACAA	tacCCATCAC	1800
tcccGTTTT	ttaggtCAAC	ttagaAGTGG	cagaAGCATA	gagaAGGTGT	ctttttACCT	1860
gggATTtCCC	attGGAGGCC	cactTGCTTA	tgacATTGAA	attgttTAAG	agcCTGATAT	1920
tcttCCTCCA	agaATTtGAT	ctcAGTACCC	atTAATTT	tttggACTCA	agatCTATGC	1980
tttAAACCGG	caaggTTATA	gatacAGCCT	ctagCTCTC	agatCTGTAC	atgcAGTATT	2040
taatttCCTC	ttaAACATGT	tatGAGTTCT	acaAGGACAA	tagtGAAA	ggaAGGAGTG	2100
agatATATGA	aaAGTAGCAA	atATGTTCT	tggTTGTTGTT	aacatCATTG	atgacaAAAT	2160
aataAGGAGC	tatGACTGGA	gtcAGGAGAA	gttagtGTA	taagCTGGCT	acacAGAAAC	2220
ccactACTTA	ccaggCATGG	attGAAGAAG	attGtCTACT	caaATGGCAT	ttAGACATTA	2280
gaatGtCTGG	gaaaATATTt	ctcaAAAGACA	gcaAAACCT	ctcaaACTGA	ggAGCAACAT	2340
ttatttCTTA	taAGCAGATC	atcaATGTAT	catgtGCTTG	gcactCAAGG	atcttCCAAA	2400
acaggAGACC	aaccAGTCTT	ctgaaGGTCA	tgcccACAGA	agtATCGGA	ccttACAAA	2460
gtaggTTGGA	gaattAGATT	gcctttCAT	gcagtGAGAT	tcaGTTAAC	aaaaATGAAA	2520
tttGtCTCTA	tagCTAATTA	gttttCAAC	tcccCTCAA	acaAAACAAAT	aaaaaaaaaa	2580
catacAGACA	ctcaaATTCC	acaAGCTAA	gaacAAAAGG	gacttGTTG	agaAGACTAA	2640
tgagtCCCTC	atccAGAAAGA	tgccaATGTA	ctggcAGATT	aacataACAC	ctatGTTTG	2700
aacAAAACA	accAGCGATA	cgtATCAA	atgtAAATT	cccTTAAATA	aattATGGAT	2760
atgggcAGTC	atcaATGGCT	gccAAAACCA	ttaAGTGTAA	agctGATTAA	aaaACAAAAA	2820
tttCTATGG	atttATCAA	ctgtCCAAA	tcctGATAAA	tattaACATC	acAGAGGAAG	2880
accAGACATT	atgggcCTGG	aagtACTATA	ggagtGcaca	catcACCCGT	gacatGGTCT	2940
tgccAAATAA	ttaAACCTGA	atttgATCAG	gtctCTGAT	tttatttGCA	attcaAAAGA	3000
aattttAAAGA	aaATCCTACT	aacACCACCA	caaATATGCA	atcAGCAATA	tccAGAAAGG	3060
ggaaATTcAC	aggACAAAAAA	cctgtTTTC	ttttttGTTT	tcttcaACCA	aaaaAGAAAG	3120
aaattGCAAA	ggACCAAAAAA	aatGTTGGGG	aatCTATACA	ttataAGGGA	cttaACAACT	3180
aaaggGCAAC	atATAGACTT	tagATCCTAA	tttgAGCAAA	atctAAATC	aatttATTAGG	3240
caatcAGAAA	aatttGAACA	cagACTAGAT	atttGAGGAT	attaAGGTAC	tatattATTG	3300

aagattccat ggtttatgttt tttaaagagt tcatgccttt tagagataca tactaaagta 3360
tttgtaaata aatgacatga tctagaaaaa aaaaaaaaaa a 3401

Homo sapiens cDNA FLJ10913 fis, clone OVARC1000209, weakly similar to Oryza sativa submergence induced protein 2A mRNA.

gagcgcggcc	cctgggttcg	aacacggcac	ccgcactgcg	cgtcatggtg	ctggccttgt	60
atatggacga	cgccccgggc	gaccgcggc	aaccccaccc	ccccgacccc	ggccgcccag	120
tggccttgg	gcagctgcgg	cggtctgggg	tgctctactg	gaagctggat	gctgacaat	180
atgagaatga	tccagaatta	aaaaagatcc	gaagagagag	gaactactcc	tggatggaca	240
tcataaccat	atgcaaagat	aaactaccaa	attatgaaga	aaagattaag	atgttctacg	300
aggagcattt	gcacttggac	gatgagatcc	gctacatcct	ggatggcagt	gggtacttcg	360
acgtgaggg	caaggaggac	cagtggatcc	ggatcttcat	ggagaaggga	gacatggta	420
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ctaacacgtg	cctcgtaaaag	gtccccatg	taatgactga	gcagaaaatc	aatcaatttc	660
tcttgcttt	tagaggatag	ccttgaggct	agattatctt	tccttgtaa	gattatttga	720
tcagaatatt	ttgtaatgaa	aggatctaga	aagcaacttg	gaagtgtaaa	gagtcacctt	780
cattttctgt	aactcaatca	agactgtgg	gtccatggcc	ctgtgttagt	tcatgcattc	840
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agaagacact	tttttctcca	aaatgatgcc	ttgggggtggg	gagtggtagt	gggaagagct	1020
cccaccctaa	ggggcacaca	ctgagttgct	tatgcccactt	ccttggtcaa	aataaagtaa	1080
ctgccttaat	tttataactca	tggcttggag	ttaaccttata	ttcaggtata	tgtgatattt	1140
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aataaagctg	ttgaattttt	acaggagtt	tagtacataa	attttctact	caacaattcc	1320
gagataggat	tatgcctagt	ttgtcatatc	acagaaaaaaac	tccaaatgaa	tttcatgttt	1380
tggaagggca	ggtcgttttt	aaagtattt	tttttttaac	tggataaaaa	atcttcatgt	1440
taggattaat	tttcttaatc	acctccacac	tgtacagagg	aaactcaagc	cttaaatgtt	1500
taagtaaact	ctgtctcagt	tttaggatta	aaataccac	cggtgtgtg	atgatccat	1560
ataccgcagg	gcttgcttct	gtcaagtgtg	actctatctc	agtaattaaa	ataagtgcgt	1620
atctactg						1628

Homo sapiens interferon induced transmembrane protein 1 (9-27), mRNA (cDNA clone MGC:5195 IMAGE:3464598), complete cds.

aaacgacagg ggaaaggagg tctcaactgag caccgtccca gcatccggac accacagcg	60
cccttcgctc cacgcagaaa accacacttc tcaaacatcc actcaacact tccttccccca	120
aaggcagaag atgcacaagg aggaacatga ggtggctgtg ctggggcac ccccccagcac	180
catccctcca aggtccaccc tgatcaacat ccacagcgag acctccgtgc ccgaccatgt	240
cgtctggtcc ctgttcaaca ccctcttctt gaactggtgc tgtctggct tcatacgatt	300
cgcctactcc gtgaagtcta gggacaggaa gatggttggc gacgtgaccg gggccccaggc	360
ctatgcctcc accgccaagt gcctgaacat ctggggccctg attctggca tcctcatgac	420
cattggattc atcctgttac tggattcgg ctctgtgaca gtctaccata ttatgttaca	480
gataatacag gaaaaacggg gttacttagta gcggccata gcctgcaacc tttgcactcc	540
actgtgcaat gctggccctg cacgctgggg ctgttgcccc tgcccccttg gtccctgcccc	600
tagatacagc agtttataacc cacacacctg tctacagtgt cattcaataa agtgcacgtg	660
cttgtgaaaa aaaaaaaaaaaa aaa	683

Homo sapiens cDNA: FLJ22242 fis, clone HRC02528.

aactttaaa aactctcatt ggagtaagtc ttttcaagat gatcctccac aatggaggca	60
gcgttcctac ttgtcatcac acagctgaag acattgttc ttaggtgtga aatcggggac	120
aaaggacaaa cagagacaca cggcattgtt catgggaggc atcgtcaccc tcctgggtgt	180
tctgtggaa ttcctgtgt gaggaaaacg tggccacagg gttgtgtgt acccacccctt	240
ccccggcgag atggccctcg gcctgtgcg ctgcttcac cctcgccact ccatggcagc	300
tttttgtctg ttcoggcgtc tgccctctgc cctgaactct catccggctt gtacctgcct	360
gctggacccc tccacctgga ggccagccca tgtctcaggc ccagccctag cctcttctcc	420
tcaaattcta agtgaaaaatctt ctttaggttt ccctggctt gtgaatggat catgtgtctc	480
taggtataaa cctgacatca tcttccacc cggcttaccc ccacagatc tccccagttc	540
tgtctccatc ttctgcctgc agctgctctg ttctcatgtt cactgctgca tcactgagtc	600
tggacccttg ttatcatttt caaactggcc tccctccctc gttcccact tcttaaagtc	660
acctgtccat tgccaccaga ttaagcttcc tccagccaga tcacctctct ctgagaaacc	720
tccattgaca tggaaacacacc attgtctggc acacataactc acataccac ctccccgtct	780
tgatccccac acatctttcc agcctccctt cccactccac tcctgctct ctccctccacc	840
tccccatctt cttgtctccc ctccccctgt aatccagccca agcggggctt ctccctgcctc	900
catcacatca cagaagtacc tcctgctctt ggttttaatt agagccttcc ccgattacat	960
tttcctctga attttttctt atctacatcc gatctgtcat gtttaaaccc cctacttcta	1020
aggaaacctc tctaatctt tatcctcatc cccaaatagt gttttcttcc tctgggttct	1080
tataatgtt gatatcatct cacagcatcc agtgcttctt gcctgggtgt acagttacct	1140
gtgtgcgtgt gcaatttcta atttccacg ctagactgtg agttccttaa ggcaagaatc	1200
atgcctcggtt gtttctgtt ttccatgg tgccaaacac agtgccttct acattgcagg	1260
cgctgaataa acattttaa agaaaaaaaaaaaaaaa	1300

ta77f02.x2 NCI_CGAP_HSC2 Homo sapiens cDNA clone IMAGE:2050107 3' similar
to gb:L19779 HISTONE H2A.1 (HUMAN);, mRNA sequence.

tatacggctg cgagaagacg acagaagggg cacctgtgaa ctcaaaaggc tctttcaga	60
gccacccacg ttttcaaata aaagagttgt taatgctggc cactccaaa aaaaaaaaaa	120
aaaaaaaaa agtcgtatcg a	141

H.sapiens centromere autoantigen C (CENPC) mRNA, complete cds.

cgatcgca	ctctcgccgc	agtcgcctga	gacttaagg	tattgcttgg	ccgcggcctg	60
gtattccggc	gattcgttc	ttgcgtcggt	tcctggagct	gtggccgtg	tggcttcca	120
cctcagacag	ttgcgtcggt	tcagcggggc	cgaaacatgg	ctgcgtccgg	tctggatcat	180
ctcaaaaatg	gctacagaag	aagatttgt	cgacottcca	gggcacgtga	cattaacaca	240
gagcaaggcc	agaatgttct	gaaaatctta	caagactgtt	ttgaagaaaa	aagtcttgcc	300
aatgatttt	gtacaaattc	tacaaaatca	gtgcctaatt	caacacgca	aataaaagac	360
acttgttattc	agtcaccaag	caaagagtgc	cagaaatcac	atccaaagtc	agttccagtt	420
tcttcaaaga	agaaagaagc	ctctctacag	tttggtag	aaccaagtga	agccacaaac	480
agatcagtcc	aggccatga	agttcatcg	aaaattctgg	caactgtatgt	tagtccaaa	540
aatacacctg	actcgaaaaa	aatatcaatg	agaaacataa	atgatcatca	cagtgaagct	600
gatgaagaat	tttacttct	cggtggctca	ccttctgttc	tttggatgc	aaaaacatct	660
gtatcacaaa	atgttattcc	atctagtgcc	aaaaagagag	agacttacac	tttggaaaat	720
tcaaaaaata	tgctgccttc	aagtacagag	tttcagtt	aaaccaaaaa	aagtttaaac	780
tttgcgtata	aagttatgtt	aaagaaaaata	gaaatagata	ataaaagtatc	agatgaagag	840
gataaaacat	cggaaggaca	agaaaagaaaa	ccatcaggat	catctcagaa	tagaatacga	900
gattcagaat	atgaaattca	acgacaagct	aaaaaaagtt	tttcaacatt	tttttagaa	960
acagtaaaac	gaaaaagtga	atccagtccc	atttttaggc	atgcggcaac	tgctccacct	1020
cattcgtgtc	ctccccatga	taacgttgc	atagaggatg	aatttataat	tgatgagtcg	1080
gatcaaaatgtt	ttgcgttag	atcttggatt	acaataccaa	gaaaaggcagg	gtctctgaaa	1140
caacgcacaa	tatccccggc	tgagagcact	gcactcttc	aaggtagaaa	gtcaagagaa	1200
aagcatcata	atataattacc	taagactttg	gcaaatgaca	aacattccca	taaacctcac	1260
ccagtagaga	catctcagcc	ctctgataaa	acagactgg	atacaagtt	tgctttgata	1320
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aaaccatcta	gaagcaaaag	gactataaaa	caaaaacaga	gaagaaaatt	catggctaaa	1440
ccagctgaag	aacagcttga	tgtggacag	tctaaagatg	aaaacataca	tacatcacat	1500
attacccaaag	acgaatttca	aagaaattca	gacagaaata	ttggaaagagca	tgaagagatg	1560
ggaaatgatt	gtgttccaa	aaaacagatg	ccacctgtgg	gaagcaagaa	aagtagcact	1620
agaaaaagata	aggaagaatc	taaaaagaag	cgctttcca	gtgagtccaa	gaacaaactt	1680
gtacctgaag	aagtgtactt	aactgtcag	aaaagtcga	gaatttccag	gcgtccatct	1740
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gaattaccaa	tgcatacaca	tagtagccga	aaatctacta	agaaaacaaa	tcaatcatct	1860
aagaatatta	ggaaaaaaac	tattccactt	aaaaggcaga	agacagcaac	taaaggcaac	1920
caaagagtac	agaagttttt	aaatgtgaa	ggttctggag	gtatcggtt	tcatgtgaa	1980
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aaaaatctt	attgttctag	atctacaaga	agctcaaaga	atgaagataa	cattatgact	2100
gcacagaatg	ttccccctaaa	gcctcagacc	agtggatata	catgtatata	accaacagag	2160
tcaaaacttgg	attctggaga	gcataagact	tcagttttag	aggaaaatgg	accttccagg	2220
ctcaataata	attatataat	gtctggaaag	aatgtatgtt	atgatgagga	agttcatgga	2280
agttcagatg	actcaaaaaca	atctaaatgt	ataccaaaga	acagaatcca	tcacaaaacta	2340
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gagttactggc	gaggagagcg	aatagattat	caaggaaggc	catcaggagg	attcgtgtt	2460
agtggagtac	tatctccaga	cacaatatcg	tctaaaagga	aggcaaaaaga	aatatttgg	2520
aaagtcaaca	aaaaatctaa	taagaaaagg	atctgtctt	ataacgtga	aagaaagact	2580
aacttaatgg	taaatctagg	tatacctctt	ggagatcatt	tgcagcoaac	gagggtaaaag	2640
gaccaggaaa	caagagagat	tattctcatg	gatcttggaa	ggccacaaga	tacatataaa	2700
ttttttgtt	agcatggta	gttgaaggta	tacaagacat	tggatacacc	ctttttttct	2760
actggaaat	tgtatatttt	accacaagaa	gaaaaggaa	agcagcatgt	tggccaggat	2820
atattggtt	tttatgtttaa	ctttggtgac	ctttgtgtt	ctttacatga	aacaccttat	2880
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ctccggaaatg	aggaaagtgt	tcttcttttt	actcagataa	aaagatgaaa	gatcaaccaa	3000
ccttaaatat	atgtatgtat	atatgtatata	gtaaaaacag	tttgcataatgt	tggaaatattt	3060
gtctttgtta	ttacttgc	tgttttaaaa	taaaaatttt	attcagttt	gtgtaaaaaaa	3120
aaaaaaaaaa	aa					3132

Homo sapiens transcription factor ISGF-3 mRNA, complete cds.

attaaacctc	tcgcccagcc	cctccgcaga	ctctgcgcgg	gaaagttca	tttgctgtat	60
gccatcctcg	agagctgtct	aggtaacgt	tcgcactctg	tgtatataac	ctcgacagtc	120
ttggcaccta	acgtgctgt	cgtagctgct	ccttgggt	aatccccagg	cccttgttgg	180
ggcacaaggt	ggcaggatgt	ctcagtggta	cgaacttcag	cagottgact	caaaaattcct	240
ggagcaggtt	caccagctt	atgatgacag	tttccccatg	gaaatcagac	agtacctggc	300
acagtggta	aaaaagcaag	actgggagca	cgctgccaat	gatgttcat	ttgccaccat	360
ccgtttcat	gacccctgt	cacagctgg	tgatcaatat	agtcgtttt	ctttggagaa	420
taactctt	ctacagcata	acataaggaa	aagcaagcg	aatottcagg	ataatttca	480
ggaagaccca	atccagatgt	ctatgatcat	ttacagctgt	ctgaaggaag	aaaggaaaat	540
tctggaaaac	gcccagagat	ttaatcaggc	tcagtcggg	aatattcaga	gcacagtgtat	600
gttagacaaa	cagaaagagc	ttgacagtaa	agtcagaaat	gtgaaggaca	agtttatgtg	660
tatagagcat	gaaatcaaga	gccttggaa	tttacaagat	gaatatgact	tcaaatacgaa	720
aaccttgcag	aacagagaac	acgagacc	ttgtgtggca	aagagtgtc	agaaaacaaga	780
acagcttta	ctcaagaaga	tgtatttaat	gcttgcacat	aaagagaaagg	aagttagtca	840
caaaataata	gagttgtctg	atgtcactga	acttacccag	aatgccctga	ttaatgtat	900
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tttggatcag	ctgcagaact	gttcaactat	agttggggag	agtgtcagc	aagttcgca	1020
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aaaaaacaaa	caagtgttat	gggaccgcac	cttcaatgtt	ttccagcagc	tcatttcagag	1140
cttgttgcg	gtggaaagac	agccctgcac	gccaacgcac	cctcagaggc	cgctggctt	1200
gaagacaggg	gtccagttca	ctgtgaagtt	gagactgtt	gtgaaattgc	aagagctgaa	1260
ttataattt	aaagtcaaa	tcttatttga	taaagatgt	aatgagagaa	atacagtaaa	1320
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caccaatggc	agtctggcg	ctgaatttgc	gcacctgca	ttgaaagaac	agaaaaatgc	1440
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tgaaacccaa	ttgtgccagc	ctgggttgg	aattgaccc	gagacgac	ctctggccgt	1560
tgtgtgatc	tccaaacgtca	gccagctccc	gagcggttgg	gcctccatcc	tttggtacaa	1620
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tctattccg	tggacgagg	tttgttgg	aaatataat	gataaaaaatt	ttcccttctg	1860
gtttggatt	gaaagcatcc	tagaactcat	taaaaaacac	ctgctccctc	tctggat	1920
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gccccggacc	ttcctgtgc	gttcaatgt	gagctcccg	gaaggggcca	tcacattcac	2040
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gaagaaagaa	ctttctgt	ttactttccc	tgacatcatt	cgcaattaca	aagtcatggc	2160
tgtgtgaaat	attcctgaga	atcccctgaa	gtatctgtat	ccaaatattg	acaaagacca	2220
tgccttgg	aaagtattact	ccaggccaaa	ggaagcacca	gagccatgg	aacttgcatt	2280
ccctaaagga	actggatata	tcaagactga	gttgatttct	gtgtctgaag	ttcaccccttc	2340
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tcggatagtg	ggctctgt	aattcgacag	tatgtat	acagatata	gcatgaatt	2460
ttttcatctt	ctctggcgac	agttttctt	ctcatctgt	attccctcct	gctactctgt	2520
tccttcacat	cctgtgttt	tagggaaat	aaagaaaggc	cagcaattc	gctgcaac	2580
gttgatagca	agtgtat	tctctaactc	agaaaacatca	gttactctgt	agggcatcat	2640
gcatcttact	gaaggtaaaa	ttgaaaggca	ttctctgt	agtggtt	acaagtgaaa	2700
aacatccaga	tacacccaaa	gtatcaggac	gagaatgagg	gtcccttgg	aaaggagaag	2760
ttaagcaaca	tctagcaat	gttatgcata	aagtcaatgt	ccaaatgtt	taggttgg	2820
gataaatcg	tggttat	gggaaactgt	tgacgttag	acggtaaatt	tctgtgggag	2880
aattcttaca	tgtttctt	gttttaatgt	taactggcag	ttttccattt	gtttac	2940
gaaatagttc	aaagccaat	ttatataacaa	ttatataat	cctctttca	aggttagccat	3000
catggatctg	gtagggggaa	aatgtgtt	tttacatc	tttccat	gctat	3060
gacaaagaca	aattctgtt	cttgagaaga	gaatattagc	tttactgtt	gttatggctt	3120
aatgacacta	gctaataatca	atagaaggat	gtacatttcc	aaattcaca	gttgcgtt	3180
atatccaaag	ctgaaatacat	tctgtttca	tcttggtac	atacaattat	ttttacagtt	3240
ctcccaaggg	agttaggct	ttcacaacca	ctcattcaaa	agttgaaatt	aaccatagat	3300

gtagataaac tcagaaattt aattcatgtt tcttaaatgg gctactttgt cctttttgtt	3360
attagggtgg tatttagtct attagccaca aaattgggaa aggagtagaa aaagcagtaa	3420
ctgacaacctt gaataataca ccagagataa tatgagaatc agatcatttc aaaactcatt	3480
tcctatgtaa ctgcatttagag aactgcataat gtttcgctga tataatgtgtt ttacacattt	3540
gcgaatgggtt ccattctctc tcctgtactt tttccagaca ctttttgag tggatgtatgt	3600
tccgtgaagt atactgtatt ttacacccctt tccttcctta tcactgacac aaaaagtaga	3660
ttaagagatg ggtttgacaa ggttcttccc ttttacatac tgctgtctat gtggctgttat	3720
cttggggtttc cactactgct accacaacta tattatcatg caaatgctgtt attcttcttt	3780
ggtggagata aagatttctt gagtttgggtt taaaaatcaa agctaaagta tctgtattgc	3840
ataaaaatata atatcgacac agtgccttcc gtggcactgc atacaatctg aggccctcctc	3900
tctcagttt tatatacgatg gcgagaacct aagtttcagt tgatTTTaca attgaaatga	3960
ctaaaaaaca aagaagacaa cattaaaaac aatattgtt cta	4003

Homo sapiens ornithine decarboxylase (ODC1) mRNA, complete cds.

gaattcctgg	agagttgcct	ttgtgagaag	ctggaaatat	ttctttcaat	tccatctctt	60
agtttccat	aggaacatcca	agaaaatcatg	aacaactttg	gtaatgaaga	gtttgactgc	120
cacttcctcg	atgaagggtt	tactgccaag	gacattctgg	accagaaaat	taatgaagtt	180
tcttottctg	atgataagga	tgccttctat	gtggcagacc	tgggagacat	tctaaagaaa	240
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gatagcaaag	ccatcgtgaa	gacccttgct	gctacccggg	caggattga	ctgtgctagc	360
aagactgaaa	tacagtttgt	gcagagtctg	gggggtgcctc	cagagaggat	tatctatgca	420
aatcctgtta	aacaagtatac	tcaattaag	tatgctgta	ataatggagt	ccagatgatg	480
acttttgata	gtgaagttga	gttcatgaaa	gttgcgcagg	cacatccaa	agcaaaggttg	540
gttttgcgga	ttgccactga	tgattccaaa	gcagtctgtc	gtctcagtgt	gaaattcggt	600
gccacgctca	gaaccaggcag	gctccttttgc	gaacggggca	aagagctaaa	tatcgatgtt	660
gttgggtgtca	gttccatgt	aggaaggcgc	tgtaccgatc	ctgagacett	cgtgcaggca	720
atctctgtat	ccccgtgtgt	ttttgacatg	ggggctgtgagg	ttgtttcag	catgtatctg	780
cttgcatttt	gcgggtggc	tcctggatct	gaggatgtga	aacttaatt	tgaagagatc	840
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atagctgagc	ccggcagata	ctatgttgc	tcagcttca	cgctgcagt	taatatcatt	960
gccaagaaaa	ttgtattaaa	ggaacagacg	ggctctgatg	acgaagatga	gtcgagtgag	1020
cagaccttta	tgtattatgt	gaatgatggc	gtctatggat	catttaattt	cataactctat	1080
gaccacgcac	atgtaaaagcc	ccttctgca	aagagaccta	aaccagatga	gaagtattat	1140
tcatccagca	tatggggacc	aacatgtat	ggcctcgatc	ggattgttga	gcgcgtgtac	1200
ctgcctgaaa	tgcatgtgg	tgattggat	ctctttgaaa	acatgggcgc	ttacactgtt	1260
gctgtgcct	ctacgttcaa	tggctccag	aggcccacga	tctactatgt	gatgtcaggg	1320
cctgcgtggc	aactcatgca	gcaattccag	aaccccgact	tcccacccga	agtagagggaa	1380
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gcagcctgtg	cttcggctag	tattaatgt	tagatagcac	tctggtagct	gttaactgca	1500
agtttagctt	gaattaaggg	atttgggggg	accatgtaac	ttaattactg	ctagtttga	1560
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cacacttatac	tgtgttccta	tggaaactat	ttgaatattt	gttttatatg	gatttttatt	1680
cactcttcag	acacgctact	caagagtgc	cctcagctgc	tgaacaagca	tttgcgtctt	1740
gtacaatggc	agaatgggc	aaaagcttag	tgttgtgacc	tgtttttaaa	ataaaagtatc	1800
ttgaaataat	taggc					1815

Homo sapiens hephaestin (HEPH) mRNA, complete cds.

cctgtttccc agagtaatgt	gggccatgga gtcaggccac	ctcctctggg ctctgctgtt	60
catgcagtcc ttgtggcctc	aactgactga tggagccact	cgagtctact acctggccat	120
ccgggatgtg cagtggaaact	atgctcccaa gggaaagaaat	gtcatcacga accagcctct	180
ggacagtgac atagtggctt	ccagcttctt aaagtctgac	aagaaccgga tagggggAAC	240
ctacaagaag accatctata	aagaatacaa ggatgactca	tacacagatg aagtggcca	300
gcctgcctgg ttgggcttcc	tggggccagt gttcaggct	gaagtggggg atgtcattct	360
tattcacctg aagaattttg	ccactcgtcc ctataccatc	caccctcatg gtgtcttcta	420
cgagaaggac tctgaagggt	ccctataccc agatggctc	tctgggcccac tgaaagctga	480
tgactctgtt cccccggggg	gcagccatat ctacaactgg	accattccag aaggccatgc	540
acccaccat gctgaccagg	cgtgcctcac ctggatctac	cattctcatg tagatgtcc	600
acgagacatt gcaactggcc	taattgggc tctcatcacc	tgtaaaagag gagccctgga	660
tggaaactcc cctcctcaac	gccaggatgt agaccatgt	ttcttcctcc tcttcagtgt	720
gttagatgag aacctcagat	ggcatctcaa tgagaaacatt	gccacttaact gctcagatcc	780
tgcttcagtg gacaaagaag	atgagacatt tcaggagagc	aataggatgc atgaatcaa	840
tgcttttgtt ttgggaaatt	tacctgagct gaacatgtgt	gcacagaaac gtgtggcctg	900
gcacttgtt ggcatggca	atgaaattga tgtccacaca	gcatttttcc atggacagat	960
gtcactacc cgtggacacc	acactgatgt ggctaaacatc	tttccagcga cctttgtgac	1020
tgtgagatg gtgccttggg	aacctggtac ctggtaatt	agctgc当地 tgaacagtca	1080
ctttcgagat ggcatgcagg	cactctacaa ggtcaagtct	tgctccatgg ccccttcgt	1140
ggacctgctc acaggcaaa	ttcgacagta cttcattgag	gccatgaga当地 ttc当地atggga	1200
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atatgaagcc tttcaagatg	agacattcca agagaagatg	catttggagg aagataggca	1380
tcttggaaatc ctggggccag	tgatccgggc tgaggtgggt	gacaccatc aggtggctt	1440
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tgagaaagta acataccgct	ggacagtc当地 ccctcatgccc	gttcccactg ctcaggatcc	1620
tgcttgc当地 acttggatgt	acttctctgc tgcagatccc	ataagagaca caaattctgg	1680
cctgggtggc cc当地gtc当地	tgtcaggggc tggc当地tgg	ggtc当地atg gcaagcagaa	1740
aggggtggat aaagaattct	ttcttctctt cactgtgtt	gatgagaaca agagctggta	1800
cagcaatgcc aatcaaggcag	ctgctatgtt ggatttccga	ctgctttag aggatattga	1860
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gggtgc当地 atgcttcc	ctc当地acctt tgc当地ggcc	atcatgc当地 ctgacaaccc	2100
tggacattt gagatttatt	gccaggcagg cagccatcga	gaagcaggga tgagggcaat	2160
ctataatgtc tcccagtg	ctggccacca agccacccct	cgccaaacgct accaagctgc	2220
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ccatgctggc atggagaccc	tcttactgt ttttctcga	acagaacact taaggccctct	3240
caccgtcatc accaaagaga	ctgaaaaggc agtgc当地ccccc	agagacattt aagaaggcaaa	3300

tgtgaagatg	ctgggcattgc	agatccccat	aaagaatgtt	gagatgctgg	cctctgttt	3360
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ccaacatcga	cagagaaagc	tacgaccaa	taggagggtcc	atcctggatg	acagcttcaa	3480
gcttctgtct	ttcaaacagt	aacatctggaa	gcctggagat	atcctcagga	agcacatctg	3540
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ctgacacttgc	gaaggtatttgc	aaatttcttag	aatgtatcc	ttctcacaaa	gtagagacca	3840
agagaaaaaac	tcattgtatttgc	ggtttctact	tcttcaagg	actcaggaaa	tttcacttttgc	3900
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aacctcttgg	gctagaagct	cctcaggaaa	gccagttctc	caagttctta	acctgtggca	4140
ctgaaaggaa	tgttgagtttgc	cctcttcatg	tttagacag	caaaccctat	ccattaaagt	4200
acttgtttaga	acact					4215

Human 18S rRNA gene, complete.

ccgtccgtcc	gtcgctccccc	tcgcggcggg	ggcgccccggc	ccgtccctcgaa	gccccccnnnn	60
nccgtccggc	cgcgtcgggg	cctcgcccgcg	ctctacccat	ctacctggtt	gatccctgcca	120
gtagcatatg	tttgtctcaa	agattaagcc	atgcatgtct	aagtacgcac	ggccgggtaca	180
gtgaaaactgc	aatggctca	ttaaatcagt	tatggtttct	tttgtcgctc	gctccctctcc	240
tacttggata	actgtggtaa	ttcttagact	aatacatgcc	gacggggcgct	gaccggcttc	300
gcggggggga	tgcgtgcatt	tatcagatca	aaaccaaccc	ggtcagcccc	tctccggccc	360
cggccggggg	gcggggcccg	gcggctttgg	tgactctaga	taacctcggg	ccgatcgcac	420
gccccccgtg	gccccggacga	cccattcgaa	cgtctgcct	atcaactttc	gatggtagtc	480
gcgcgtgccta	ccatgggtgac	cacgggtgac	ggggaaatcc	ggttcgattc	cggagaggga	540
gcctgagaaa	cggctaccac	atccaaaggaa	ggcagcaggc	gcgc当地	cccactcccg	600
acccggggag	gtatgtacca	aaaataacaa	tacaggactc	tttcgaggcc	ctgttaattgg	660
aatgagtcca	ctttaaatcc	ttaacgagg	atccatttgg	ggcaagtct	ggtgccagca	720
gcccggtaa	ttccagctcc	aatagcgtat	attnaatttgc	ctgcagttaa	aaagctcgta	780
gttggatctt	gggagcgggc	gggcggtccg	ccgc当地	agccaccgc	cgtccccgccc	840
ccttgcctct	cggcgcccccc	tcgatgctct	tagctgatgt	tcccgccccgg	cccgaaagcgt	900
ttactttgaa	aaaatttagag	tgttcaaagc	aggcccggac	cgccctggata	ccgc当地	960
gaataatgga	ataggaccgc	ggttctattt	tgttggttt	cgaaactgag	gccatgatta	1020
agagggacgg	cggggggcat	tcgtatttgc	ccgc当地	tgaatttctt	ggaccggcgc	1080
aagaatggacc	agagc当地	catttgc当地	aatgttttc	attaatcaag	aacgaaagtc	1140
ggagggttgc	agacgatcag	ataccgtct	agttccgacc	ataaaacgtat	ccgaccggcg	1200
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ttccgggggg	agtatggtttgc	caaagctgaa	actttaaggaa	attgacggaa	gggc当地	1320
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tcttagttgg	tggagcgtt	tgtctggta	attccgataa	cgaacgagac	tctggcatgc	1500
taacttagtta	cgc当地	gaggggtcgg	cgtcccccaa	cttcttagag	ggacaagtgg	1560
cgtttagccca	cccgagatttgc	agcaataaca	ggctgtgtat	gccc当地	gtccggggct	1620
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acccgttggaa	ccccattcgt	gatggggatc	ggggatttgc	attattccccc	atgaacgagg	1740
aatttccact	aagtgcgggt	cataagcttgc	cggtgat	gtccctgccc	tttgc当地	1800
ccggccgtcg	ctactaccga	ttggatggtt	tagtggat	ctccgatccgg	ccccggccgg	1860
gtcgccccac	ggcctggccg	agcgtgaga	agacgggtcg	acttgactat	ctagagggaa	1920
taaaatcgat	aacaagggtt	ccgttaggt	acctgc当地	ggatcatta		1969

Homo sapiens cell death regulator aven mRNA, complete cds.

gggcgtctcc	gcagctcgcc	tcccgcgcgc	tcagcaccac	cagcggcgcc	agatgcaggc	60
ggagcggagga	gctcggggag	gccgtggcg	gcggccaggc	cgccggccggc	ctggcgaggaa	120
tgcacacagc	gagcggcccg	gagccgcagc	ggcggtagcc	agaggcggcg	gcggaggcgg	180
cggcggggac	ggaggcggac	gccggggccg	tggccgtggc	cggggcttcc	gcggcgctcg	240
cggaggccga	ggaggaggag	gcgcggcccg	aggcagccgc	cgggagccgg	gaggctgggg	300
cgcagggcc	agcgcgcccgg	ttgaagatga	cagcgtatca	gagacctatg	gagaagagaa	360
tgatgaacag	gaaaattatt	ctaaaagaaa	atttgtctc	aactggatc	gatataaga	420
tattaaaaaa	gaggtcaata	atgaaagtgg	agagtcacag	agggaaacag	atttcagtgt	480
cctccttagc	tctgcagggg	actcatttc	acagttccgg	tttgcgtgagg	agaaaagaatg	540
ggatagtgaa	gtttcttgtc	caaaacagaa	ttcagcattt	tatgtggata	gtgagttatt	600
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gctgaaatct	gtggctgtc	gctccccgt	gttgcgtggc	aaagacaacc	caagccggg	840
tccttcaagg	gattctcaga	aaccacttc	cccactgcag	tcagcaggag	accatttgg	900
agaagaacta	gatctgttc	ttaattttaga	tgcacctata	aaagaggggag	ataacatctt	960
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cagcatagca	gatgctgtc	ctggtaaga	gaatagatgc	aaacaaggca	tgcatttggc	1500
caaaaataaac	aaatgttgtt	ctgtccaaaa	aannaaaaaa	aaaaaaaaaa		1549

Homo sapiens interferon, gamma-inducible protein 16, mRNA (cDNA clone MGC:9466 IMAGE:3914632), complete cds.

gcagaatagg	agcaagccag	cactagttag	ctaaactaagt	gactcaacca	aggcctttt	60
tccttggtat	ctttgcagat	acttcatttt	cttagcgaaa	ctggagatta	caacatccgt	120
cgggtccgtt	tctggaaact	ttactgattt	atctcccccc	tcacacaat	aagcattgt	180
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cacttatgtc	tgtaaagatg	ggaaaaaaaaat	acaagaacat	tgttctacta	aaaggattag	300
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cacagacaca	gttcttceat	gtgaagggtt	taaacaccag	tttgaaggag	aaattcaatg	1020
gaaagaaaat	catcatcata	tcagattatt	tggatatgt	tagtctctt	gaggtaatg	1080
aagaatctac	tgtatctgaa	gctggcctta	accaaaccgtt	tgagggttca	aataaaatca	1140
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aaattcagga	tgatagagga	aaaatggatg	tagtggggac	aggacaatgt	cacaatatcc	1320
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ttgaaataca	acactataca	tacacaccac	catatatact	agctgttaat	cctatggaat	2580
ggggtattgg	gagtgtttt	ttaatttttc	atagttttt	ttaataaaa	tggcatattt	2640
tgcatctaca	acttctataa	tttgaaaaaaa	taaataaaaca	ttatctttt	tgtaaaaaaa	2700
aaaaaaaaaa						2709

Homo sapiens guanylate binding protein 1, interferon-inducible, 67kDa, mRNA
 (cDNA clone MGC:3949 IMAGE:3606865), complete cds.

ggagtcagtg	atttgaacga	agtactttca	gtttcatatt	actctaaatc	cattacaat	60
ctgcttagct	tctaaatatt	tcatcaatga	ggaatccca	gccctacaac	ttcggAACAG	120
tgaaatatta	gtccaggat	ccagttagag	acacagaagt	gctagaagcc	agtgcgtcg	180
aactaaggag	aaaaagaaca	gacaaggaa	cagctggac	atggcatcag	agatccacat	240
gacaggccc	atgtgcctca	ttgagaacac	taatggcga	ctgatggcga	atccagaagc	300
tctgaagatc	cttctgcca	ttacacagcc	tatgtgttg	gtggcaattt	tggcctcta	360
ccgcacaggc	aaatctacc	tgatgaacaa	gctggctgga	aagaaaaagg	gcttctct	420
gggctccacg	gtgcagtctc	acactaaagg	aatctggatg	tggtgtgtgc	ccccacccaa	480
gaagccaggc	cacatcttag	ttctgctgga	caccagggt	ctgggagatg	tagagaaggg	540
tgacaaccag	aatgactct	gatcttcgc	cctggccgtc	ctcctgagca	gcacccctcg	600
gtacaatagc	ataggaacca	tcaaccagca	ggctatggac	caactgtact	atgtgacaga	660
gtgcacat	agaatccat	aaaatccctc	acctgtatgg	aatgagaatg	agggtgagga	720
ttcagctgac	tttgtgagct	tcttcccaga	ctttgtgtgg	acactggag	atttctccct	780
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gaaattcttc	ccaaagaaaa	aatgttttgc	ctttgatcg	cccgttcacc	gcaggaagct	960
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ctcagggtta	tttcaggctca	ttttcagttcc	tctagaagaa	gaagtgttgc	cgggattta	1500
ttcgaaacca	gggggttatac	gtcttttgt	tcagaagct	caagacctga	agaaaaagta	1560
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gaggaccctc	gctctaaac	ttcaggaaca	ggagcaacta	ctaaaagagg	gattcaaaa	1920
aaaaaaaggcaga	ataatgaaaa	atgagataca	ggatctccag	acgaaaaatg	gacgacgaaa	1980
ggcatgtacc	ataagctaaa	gaccagagcc	ttccctgtc	ccctaacc	ggcataattt	2040
aaacaatttt	agaatttgg	acaagcgta	ctacatttga	taataattt	atcttgcatt	2100
ataacacca	aagtttataa	aggcatgtgg	tacaatgtt	aaaatcatgt	tttttctttaa	2160
aaaaaaaaaa	aaaaaaa					2176

Homo sapiens interferon induced transmembrane protein 1 (9-27), mRNA (cDNA clone MGC:5195 IMAGE:3464598), complete cds.

aaacgacagg ggaaaggagg tctcaactgag caccgtccca gcacccggac accacagcg	60
cccttcgctc cacgcagaaa accacacttc tcaaaccctc actcaaacact tcctcccca	120
aagccagaag atgcacaagg aggaacatga ggtggctgtg ctggggcac cccccagcac	180
catccttcca aggtccaccg tgatcaacat ccacagcgag acctccgtgc ccgaccatgt	240
cgtctggtcc ctgttcaaca ccctcttctt gaactggtgc tgtctggct tcatacgatt	300
cgcctactcc gtgaagtcta gggacaggaa gatggttggc gacgtgaccg gggcccaggc	360
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actgtgcaat gctggccctg cacgctgggg ctgttgcccc tgccccctg gtctgcccc	600
tagatacagc agtttataacc cacacacctg tctacagtgt cattcaataa agtgcacgtg	660
cttgtgaaaa aaaaaaaaaaaa aaa	683

Homo sapiens transcription factor ISGF-3 mRNA, complete cds.

ataaaaccc	tgcggagcc	cctccgaga	ctctgcgcgg	gaaagttca	tttgctgtat	60
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Homo sapiens phospholipid scramblase 1, mRNA (cDNA clone IMAGE:4253596), complete cds.

gagaagggttgcgcagcagct	gtgccccggca	gtcttagagggc	gcagaagagg	aagccatcg	60
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ttataaaatgcattataaaa	ggagtaaaaa	gcaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1140
aaa					1143

Homo sapiens metalloprotease disintegrin cysteine-rich protein, secreted form mRNA. complete cds.

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Homo sapiens matrix metalloproteinase 7 (matrilysin, uterine), mRNA (cDNA clone MGC:3913 IMAGE:3545760), complete cds.

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Homo sapiens cDNA FLJ10650 fis, clone NT2RP2005853

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Homo sapiens transcription factor ISGF-3 mRNA, complete cds

ataaaaccc tcgcccagcc cctccgcaga ctctgcgcgg gaaagttca tttgtgtat	60
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gaagaaagaaa cttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt	2160
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ctaaaaaaca aagaagacaa cattaaaaac aatattgttt cta	4003

Homo sapiens RNA helicase (RIG-I) mRNA, complete cds.

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ctgccttccc	cgctcgccac	gccctcctgc	taccggcgtt	taaagctagt	gaggcacagc	120
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tgggtataat	catggatcgc	ttgtacccct	gtgaaaat	attttttaaa	aataaaaaaaa	3060
aaaaaa						3065

Homo sapiens melanoma differentiation associated protein-5 (MDA5) mRNA,
complete cds.

gcgcgcggc	ctgagagccc	tgtggacaac	ctcgtcattg	tcaggcacag	agcggttagac	60
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ctctgaaaaa aaaaaaaaaaa	3380

Homo sapiens signal transducer and activator of transcription 1, 91kDa, transcript variant beta, mRNA (cDNA clone MGC:3493 IMAGE:3627218), complete cds.

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Homo sapiens cDNA: FLJ21350 fis, clone COL02751.

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atttgcaggc cattgtttt tttaaagtca taaatcaaaa tgatgccaga aaatcaaaaga	840
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ctccaagctg gtggggatct gtgatgttt tgaaaatggg cttatgccag ggcgcgtggc	960
tcacgcctat aatcccaagca ctttggggagg ccggggccgg cagatcggtt caggtcagga	1020
gatcgagacc agcctggcca acatgggtgaa accccatctc tactaaaaat acaaaaaatt	1080
agccagggtt ggtggcacat gcctgtatc ccagctactc aggaggctga ggcaggagaa	1140
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cgagagcttgc agtgatccga gatcacacca ctgcactgcgtca gtctggccaa cagagcgaga	1740
ctccatctca aaaaaaaaaaaa aaaaaa	1765

Homo sapiens IFI16b (IFI16b) mRNA, complete cds.

ggaaatagca	aataggagc	aagccagcac	tagtcagcta	actaagtgac	tcaacccaagg	60
cctttttcc	ttgttatctt	tgcatgatact	tcattttctt	agcgtttctg	gagattacaa	120
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cattgattcc	tgcatttctg	aagatctaa	gatctggact	actgttggaa	aaatttccag	240
tgaggctcac	ttatgtctgt	aaagatggg	aaaaaataca	agaacattgt	tctactaaaa	300
ggatttagagg	tcatcaatga	ttatcatttt	agaatggta	agtccttact	gagcaacgat	360
ttaaaaactta	atttaaaaat	gagagaagag	tatgacaaaa	ttcagattgc	tgacttgatg	420
gaagaaaaat	tccgaggtga	tgctggttt	ggcaaactaa	taaaaatttt	cgaagatata	480
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atacctgggt gaaatacaac actatacata cacaccacca tatataactag ctgttaatcc	4020
tatggaatgg ggtattggga gtgtttttt aatttttcat agttttttt taataaaatg	4080
gcatatttttgcatctacaac ttctataatt tgaaaaata aataaacatt atcttttttg	4140
tgaaaaaaaaa a	4151

Homo sapiens mRNA for STAT induced STAT inhibitor-2, complete cds.

gggcggccac	ctgtctttgc	cgcggtgacc	cttctctcat	gaccctgcgg	tgccttgagc	60
cctccggaa	tggcgggaa	gggacgcgga	gccagtgggg	gaccgcgggg	tcggcggagg	120
agccatcccc	gcaggcggcg	cgtctggcg	aggccctgcg	ggagctcggt	cagacaggat	180
ggtactgggg	aagtatgact	gttaatgaag	ccaaagagaa	attaaaagag	gcaccagaag	240
gaactttctt	gattagagat	agctcgatt	cagactacct	actaacaata	tctgttaaaa	300
catcagctgg	accaactaat	cttcgaatcg	aataccaaga	cgaaaaattc	agattggact	360
ctatcatatg	tgtcaaattc	aagctaaac	aatttgcac	tgtggttcat	ctgatcgact	420
actatgttca	gatgtgcaag	gataagcgga	caggtccaga	agccccccgg	aacggcactg	480
ttcacctta	tctgaccaaa	ccgcttaca	cgtcagcacc	atctctgcag	catctctgt	540
ggctcaccat	taacaaatgt	accggtgcca	tctggggact	gcctttacca	acaagactaa	600
aagattactt	ggaagaatat	aaattccagg	tataaatgtt	tctctttttt	taaacatgtc	660
tcacatagag	tatctccgaa	tgcagctatg	taaaagagaa	ccaa		704

Homo sapiens transcription factor ISGF-3 mRNA, complete cds.	
ataaaacctc	tcgcccagcc cctccgcaga ctctgcgccg gaaagtttca tttgtgttat
gccccatcctcg	agagctgtct aggttaacgt tcgcactctg tgatatataac ctcgcacagtc
ttggcaccta	acgtgctgtg cgtagctgct ccttgggtt aatccccagg cccttgttgg
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acagtggta	aaaaaggcaag actgggagca cgctgccaat gatgtttcat ttgcaccat
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ctaaaaaaaca aagaagacaa cattaaaaac aatattgttt cta	4003

Homo sapiens pancreas sodium bicarbonate cotransporter mRNA, complete cds.

gcggcggcgg	ccgcgggtggc	agcgaaggcg	gcggcggcgg	cggcagtggc	agtggccgct	60
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gccctgctt	ggatcccaa	gtcaacgggt	gctgtatca	tttttcagg	aatgtatcttgc	3060
gcacttgcgt	ctgtcagaaa	aggcatggac	tacccatctt	cccacatgt	cctcagcttc	3120
ctggatgtat	tcattccaga	aaaggacaag	aaaaagaagg	aggatgagaa	gaaaaagaaaa	3180
aagaagaagg	gaagtcttgc	cagtacaaat	gatgattctg	actgcccata	ctcagaaaaaa	3240

gttccaagta taaaaattcc aatggacatc atggAACAGC aacctttcct aagcgatAGC	3300
aaacccTTCG acagAGAAAG atcaccaACA ttccTTGAAC gCcACACATC atgCTGATAA	3360
aattCCtttc ctTCAGTCAC tcGGTATGCC aAGTCCTCCT AGAACtCCAG taaaAGTTGT	3420
gcCTCAAAATT AGAAATAGAAC ttGAACCTGA AGACAAATGAT tatttCTGGA ggAGCAAGGG	3480
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gatgtgtcCT ttGATAACCA AATTCTGTCA CTCAAGACAC AGACACCCAC AGACCCtGTC	3780
cttgcCTCT attaAGCAGA GGATGGAAGT ATTAAGGATT ttGTAACACC ttttatGAAA	3840
atgtGAAGG AACtTTAAAC ttTAGCTTTG gagCTGTGCT tACTGGCTG tCTTTGTCTG	3900
gtAGAACAAA CCTGACCTC CAGACAGAGT CCCTTCTCAC ttATAGAGCT CTCAGGACT	3960
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taACCTGCCA CTTATTTTT GTCAATTTTT AAAACTTTTT tTTAATTACT gTAAAGAAAAA	4260
tGAATTTTT CCTGCAGCAG gAAACATAGT ttTGAAGTAGT tCTACCTCTT ATTGTAGCT	4320
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acaAAATACAC AATCTCTAGG gtAAAGCCAGA AGGCAAGATC AGATTAaaaaA caccATGTTT	4440
ctaAGCATCC ATTTTCCCT ttCTTTAAA GAAACTTAAC tGTTCTATGA AGGAGATTGA	4500
gggagaAGAG aCAAACtCCT ATGTCAtGAG AATAACCGAT gttCTGATAA TAGTAGCATC	4560
taggtacaga tgCTGGTTGT ATTACACGT CAATGTCTA tGcAGTATTG ttagacATTt	4620
tCTCATTtTG AAATATTGT gTTGTTGTGt ATGTCTG tGCCATGGCT gGTGTATATA	4680
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tGATATAATA GCTCTAACAT GCAATATAAA ATTCA TAGGA gTATTAA TAG cCCATTACA	4920
CATCTATAAA ATGTAATGGG ATTGCA GAGC tGcAGAGTAC AGTGTAAcAG TACTCTCATG	4980
caATTTTTT CAGGATGCAA AGGCAATTAT tCTTTGTAAg CGGGACATTt AGAATATATT	5040
tGTGTACATA ttATATGTAT gTATATTCA AAGTACCAcA CTGAAAATTa GACATTATT	5100
AACCAAATTt AACGTGGTAT tTAAAGGTAA tATTTTAAT ATGATACATT ACATATTGTG	5160
AATGTATACT AAAAAAACAT tTAAATGTT AAAATTATAA tttCAGATTc ATATAACCAC	5220
AACTGTGATA tATCCTAACT ATAACCAGTT gTTGAGGGT ATACTAGAAG CAGAATGAAA	5280
CCACATTtTT tGGTTGATA ATATGCACTT ATTGACTCCC AC	5322

Homo sapiens interferon stimulated T-cell alpha chemoattractant precursor,
mRNA, complete cds.

ctcTTCCAA gaAGAGCAGC AAAGCTGAAG tagcAGCAAC AGCACCAgCa gCAACAGCAA	60
aaaACAAACA tgAGTGTGAA gGGCATGGt ATAGCCTTGG CTGTGATATT gTGTGCTACA	120
gttGTTCAAG GCTTCCCCAT gttCAAAAGA ggACGCTGTC tttGCAtAGG CCCTGGGta	180
aaAGCAGTGA aAGTGGCAGA tATTGAGAAA GCCTCCATAA tGTACCCAAg TAACAActGT	240

gacaaaatag aagtgattat taccctgaaa gaaaataaaag gacaacgatg cctaaatccc	300
aatcgaagc aagcaaggct tataatcaaa aaagttgaaa gaaagaattt ttaaaaatat	360
caaaacatat gaagtcctgg aaaagggcat ctgaaaaacc tagaacaagt ttaactgtga	420
ctactgaat gacaagaatt ctacagtagg aaactgagac ttttctatgg ttttgtact	480
ttcaactttt gtacagttat gtgaaggatg aaaggtgggt gaaaggacca aaaacagaaa	540
tacagtcttc ctgaatgaat gacaatcaga attccactgc ccaaaggagt ccagcaatta	600
aatggatttc tagggaaaagc taccttaaga aaggctgggt accatcgag ttacaaagt	660
gcttcacgt tcttacttgt tgtattatac attcatgcat ttcttaggcta gagaaccttc	720
tagatttgat gcttacaact attctgttgt gactatgaga acatttctgt ctctagaagt	780
tatctgtctg tattgatctt tatgctataat tactatctgt ggttacagtg gagacattga	840
cattattact ggagtcaagc ccttataagt caaaagcato tatgtgtcgt aaagcattcc	900
tcaaacattt tttcatgaa atacacaytt ctttccccaa atatcatgta gcacatcaat	960
atgttagggaa acattttat gcatcattt gtttggta taaccaattt attaaatgtat	1020
attcataaaaa tgtactatga aaaaaattat acgttatggg atactggcaa cagtgcacat	1080
atttcataaac caaattagca gcaccggct taatttgatg ttttcaact tttattcatt	1140
gagatgtttt gaagcaatta ggatatgtgt gtttactgta cttttgttt tgatccgttt	1200
gtataaatga tagcaatatc ttggacacat ttgaaataca aaatgtttt gtctacaaa	1260
aaaaaatgtt gaaaaataag caaatgtata cctagcaatc acttttactt tttgtatcc	1320
tgtctcttag aaaaatacat aatctaataca aaaaaaaaaa aaaaaaaaaa a	1371

Homo sapiens mRNA; cDNA DKFZp586J0323 (from clone DKFZp586J0323)

gtttggaagt gatagcaaat aaaagccacc ttgaactggg tctgatgcag catttttacc	60
aaacttcaaa cctggactag ttcatccta tgcattgagg cttttttatt cgtttcggt	120
tgttttacc agttaactat caacataaat ttcatattata atattgtatg ttcaagtgtc	180
caaaaaactg gtcctaccat catagttgg aatgactcca ttataagatg gtgactgcct	240
gtatcaaatc ttactcgct ttcaattttt cttaccattt ttataaaaag gagtcacact	300
actcaatcta tacatcgatg ttaaatatga ttttactaa tttttttttt ttttaccaac	360
actatcttaa aaaaatctgac agcatagagc agtgattaaa ggcatttgc tcagggtcaa	420
atatagttac actgctgtt ttggacaat ttgttattttt gaaccattgt ttcttacctt	480
tataaaatga gcataagata atgttctttt aaggtgagta tgagatcaa atgagaaaag	540
caataataat aaagattcaa caatggaaac tgctatttac attatgattt ttataatttag	600
aaggacaaaac tgaattttaa cgttcctata gtaataaaaat ggcatctaca gagcaatct	660
aaacagactt aatottcata taacaattca tcccagataa ttgaatttg ccataataaac	720
atgtttgaaa ggaggctgaa ataaaacagg gtttgcctt ttcaacttgc tagccaagac	780
ttttttaaa aaaaactggt atataaatgc ttgttatttc cttaaagggt tgaaggaaa	840
ataaatataa tacttaatag attttcaagt atctctttt acattcttgc tttagggctt	900
gtactaatcc attcatttgc ggtttgactg ttgggtgaac ttcttgcctt tattttccgc	960
tgtgagaggc aatttccatg gtttctaaatc tttagaccta tgcccttgc tgatgagggt	1020
aatttaggggt tgggctgaaa cccagattcc tatatatgtg gatagagtga tggagaagta	1080
ctttatgata ataaatataa atgaaattta gatttttaatt tagaaataga aaacatttag	1140
gcaactcact gaatcaaaaaa taaatataga caaatttaat taatatattt atttattata	1200
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gaaaatagta aaccattata aaaaatgtatg ttttataatg atacatctt gcacttctaa	1500
tattattgtt taaaataaat gttgtatata ttcaagcatac agccaaattt aaaaaatttt	1560
atctttttaa ttttatgtca tatataaaga accttaatgc caaaataatc tttatagtga	1620
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cctccaacat agttttatttca taatgttttgc ttatttttgc ttcttgc tttagtgc	2100
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aaattttctt ctttttagaca tggccaaagta ctcatttgc tttagagatta atagaaaac	2460
tttaaaaaaaa aaaaaaaaaaaa	2480

<i>Homo sapiens</i> cDNA FLJ20637 fis, clone KAT03212.	
gtcgactacc	aagaaaatact ttcaacataa atgaactctc caacttatta aactttata
tagatagagg	aagacagctc tttcggata accacctgat acctgcagaa acccccagtc
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gacgaagtctg	cctggtaaa gatgctctgc gtcaattaag tcaagctgaa gctactgact
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gagatcaccc	aacatcaatc acttgtcata atattctctc cttccctaaat tattctacaa
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aaaaaaaaaaa	aaaaaaaaaa aaaaaaaaaa

Homo sapiens sodium bicarbonate cotransporter (HNBC1) mRNA, complete cds.

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aaaccaagaa	atccaaccc	cggtccctgg	ctgacattgg	gaagacatgc	tccagtgc当地	720
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cccattgact	aagaatgaac	cggattttgt	ggtgggtttt	tttctatgca	aactggacac	6060
aaattacaac	agtaaaatttt	tttataatgt	tttccctt	ctccatgtatg	tgacttccgg	6120
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atcaaaaagag	caaaaatgcc	tctggttttt	tggtttggag	aaaaatatct	tggacgcact	6300
gttttccttg	ataaaaatgtca	tcttcctac	tgtgtgaaat	gaataacttgg	aattctaatt	6360
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aatgataaaag aacagaaaaac atttcaatat attactaata actttttcca atataaatcc	7440
taaaattccct ataacatagt attttacagt tttatgaagc tttctatgt gacttttatg	7500
gaattaagag atgaagaaga tgagatattt tagcatttat attttcaaa attatatgtat	7560
tacttaaaaaa taaagtaact ttatgc	7586

Human BRCA1-associated RING domain protein (BARD1) mRNA, complete cds.

cagttccct	gtggttccc	gaggcttct	tgcttcccgc	tctgcgagga	gccttcata	60
cgaaggcggg	acgatgccgg	ataatcgca	gccgaggaac	cggcagccga	ggatccgctc	120
cgggaacgag	cctcggtccg	cgccccccat	ggaaccggat	ggtcgcgtg	cctggggcca	180
cagtgcgcgc	gctcgacacc	gcctggagaa	gctgtgcgc	tgctcgctt	gtactaaat	240
tctgagagag	cctgtgtgtt	taggaggatg	tgagcacatc	ttctgttagta	atttgtaaag	300
tgactgcatt	ggaactggat	gtccagtgtg	ttacaccccg	gcctggatac	aagacttgaa	360
gataaataga	caactggaca	gcatgattca	actttgtagt	aagcttgcga	atttgctaca	420
tgacaatgag	ctgtcagatt	tgaaaagaaga	taaacctagg	aaaagttgt	ttaatgatgc	480
aggaaaacaag	aagaattcaa	ttaaaatgtg	gtttagccct	cgaagtaaaga	aagttagata	540
tgttgtgagt	aaagcttcag	tgcaaaaccca	gcctgcaata	aaaaaaagatg	caagtgccta	600
gcaagactca	tatgaatttg	tttcccccaag	tcctcctgca	gatgtttctg	agagggctaa	660
aaaggcttc	gcaagatctg	gaaaaaaagca	aaaaaaagaaa	actttagctg	aaatcaacca	720
aaaatggaaat	ttagaggcag	aaaaagaaga	tggtgaattt	gactccaaag	aggaatctaa	780
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tgcaggtggg	ggccagatcc	tcagtagaaa	gccccaaagcc	gacagtgcac	tgactcagac	2220
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tatcatctat	gaagatttg	gtatttatca	cccagagagg	gttcggcagg	gcaaagtctg	2340
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agtatttgc	ctgttttaa	tgttcacatt	tttacaaata	ggttagagtca	ttcatatttg	2520
tctttgaatc						2530

Human 18S rRNA gene, complete.

ccgtccgtcc	gtcgcttcc	tcgcttgcgg	ggcgccgggc	ccgtcctcga	cccccnnnn	60
nccgccggc	cgcgtcgaaa	cctcgcccg	ctctacctac	ctacctggtt	gatcctgcca	120
gtagcatatg	tttgtctcaa	agattaagcc	atgcatgtct	aagtacgcac	ggccgggtaca	180
gtgaaactgc	aatggctca	ttaaatcagt	tatggttct	ttggtcgctc	gtcctctcc	240
tacttggata	actgtggtaa	ttcttagagct	aatacatgc	gacggggcgct	gaccggcttc	300
gcggggggga	tgcgtgcatt	tatcagatca	aaaccaaccc	ggtcagcccc	tctccggccc	360
cggccggggg	gcgggcccgcg	gcccgttgg	tgactctaga	taacctcggg	ccgatcgac	420
cccccccg	gcccggcgcga	cccatcgaa	cgtctccct	atcaactttc	gatggtagtc	480
gccgtgccta	ccatggtgac	cacgggtgac	gggaatcag	ggttcgattc	cgagagaggga	540
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aatgagtc	ctttaaatcc	tttaaacggg	atccattgga	gggcaagtct	ggtgccagca	720
gcccggtaa	ttccgctcc	aatagcgat	attaaaagttg	ctgcagttaa	aaagctcgta	780
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ccttgcctct	cggcgcccc	tcgatgtct	tagtgatgt	tcccgccggg	cccgaaagcgt	900
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gtcgccccac	ggcctggcgg	agcgctgaga	agacggtcga	acttgactat	ctagaggaag	1920
taaaagtctgt	aacaagggtt	ccgttaggtga	acctgcggaa	ggatcatata		1969

Human mRNA for 56-kDa protein induced by interferon

ccagatctca	gaggagccctg	gctaagcaaa	accctgcaga	acggctgcct	aatttacagc	60
aaccatgagt	acaaaatggt	atgtatcatca	ggtaaaggat	agtctggagc	aatttgagatg	120
tcactttaca	tgggagttat	ccattgtatga	cgtatgaaatg	cctgatattag	aaaacagagt	180
cttggatcat	attgaattcc	tagacaccaa	atacagtgt	ggaatacaca	acctactagc	240
ctatgtaaaa	cacctgaaaag	gccagaatga	ggaagccctg	aagagcttaa	aagaagctga	300
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cattgaagaa	gtcttagcca	acatgtcctc	acagacctat	gtcttcgtat	atgcagccaa	840
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caattctttg	aagaaaattgg	ttttaaggaa	acttcggaga	aaggcattag	atctggaaag	1380
cttgagcctc	cttggggttcg	tctacaaatt	ggaaggaaat	atgaatgaag	ccctggagta	1440
ctatgagcgg	gccctgagac	tggctgctga	cttggagaac	tctgtgagac	aaggtcctta	1500
ggcacccaga	tatcagccac	tttcacattt	catttcattt	tatgctaaca	tttactaatac	1560
atctttctg	cttactgttt	tcagaaacat	tataattcac	tgtaatgatg	taattcttga	1620
ataataaaatc	tgacaaaata	tt				1642

qx82h04.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2009047 3', mRNA sequence.

gcagctaaat taaaatgacc	ttttatttgc	ctggacaaca	aaaatttcc	atgatttg	60
tttttgaaa caatgataag	aaattttttt	ttaggcaata	agatactaag	ttgtatcaac	120
aaactgcatg ggatatttc	acaaggagag	gattttgtc	cctgatctag	tttacgtgac	180
atttccctt atgcttgctt	tctctgagct	gactcttctt	aaactgacct	agatggtacc	240
ctatttcaac tgactcagag	ttcattcaaa	aatatgatat	ggtgacttgg	cttcactgac	300
atgaaatcca ggcactctt	ctactcttgc	tcacattctt	cctgccccaa	ggttccagcg	360
tgattttagg atatcttatg	ccaacccagt	gtgccgtcac	ttctcagaga	tgttagggcca	420

Human interferon-induced cellular resistance mediator protein (MxA) mRNA,
complete cds.

ggaattctgt	ggccatactg	cgaggagatc	ggttccgggt	cggaggctac	aggaagactc	60
ccactccctg	aaatctggag	tgaagaacgc	cgccatccag	ccaccattcc	aaggagggtgc	120
aggagaacag	ctctgtgata	ccatthaact	tgttgacatt	acttttattt	gaaggaacgt	180
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ccctgcatac	acctcattga	ctccctgcgg	gctctagggt	tggagcagga	cctggccctg	420
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gaagaagaaa	agaagaagaa	atcctggat	tttgggctt	tccaaatccag	ctcggcaaca	1920
gactcttcca	tggaggagat	cttcagcac	ctgatggct	atcaccagga	ggccagcaag	1980
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aacatcacag	cttatttcct	cattttata	atgtcccttc	acaaacccag	tgttttagga	2580
gcatgagtgc	cgtgtgtgt	cgtcctgtcg	gagccctgtc	tctctctctg	taataaactc	2640
atttctagca	g					2651

Homo sapiens cDNA: FLJ21726 fis, clone COLF1088.

agtgcatgga	gacgagaggt	gtttctaaag	atgggagaaa	tgacagcgtg	catgtgtgcc	60
gatggggagtc	accccataga	gaaggaagaa	agcagtgaca	gaggagagga	ctgctccttg	120
tcctttagta	gttggccaag	ggagagacct	cctgcacaaa	tggagggtt	ggcctcacgc	180
agaaaagaagc	acacttggtt	catccctggc	agcaggaggg	aaggcgtggg	tgtagggAAC	240
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gagcagcagt	ggacggtag	aatggggatg	tccccatcca	gctttcaggg	tcccatgtga	360
tagtgcggcg	tggctggct	gtgttctggg	gacagtca	ggccacatgc	actgcaggc	420
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ctttcagagc	aggggcatgg	tttccttcca	aatatttctg	ctgcctttat	aagtgtacac	1800
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xw86e11.x1 NCI_CGAP_Pan1 Homo sapiens cDNA clone IMAGE:2834924 3', mRNA sequence.

ttataagaaa tttatTTTT cacagataca gaacataaaat ccaagaaaaa ttattattat	60
ttttcacaat tatgactaaa tcatagttatt tcttagttatt tacaagtact acaatgttct	120
atgcatttct tcatacctaga cattaataaa acacatccct ttggtcttag atacttctct	180
ttggtctgtg ttttcctt tctgaatttt aatcttctgt gatgtgagga aatttacgtg	240
aaccccccac atatctattt ttttcctgt gcacagttga taatttcctc ccttagattc	300
cctgagaaaa gaaacacaaa atattcttag tggattatct cagggaaaggc aaccagaggg	360
aagaggaata ttggaccact gaaaatctca accaacgcta atattaggag cacaatgtacc	420
atgaggaaga gaaggatgg ggaaaccaag atggcagagt tagagcaaca aagtttagtaa	480
catgagagg ttccagcaat ttgagtaaga	510

Human 71 kDa 2'5' oligoadenylate synthetase (p69 2-5A synthetase) mRNA,
complete cds.

cggcagccag	ctgagagcaa	tggaaatgg	ggagtcccag	ctgtccctcg	tgccctgctca	60
gaagctgggt	tggtttatcc	aggaataacct	gaagccctac	gaagaatgtc	agacactgtat	120
cgacgagatg	gtgaacacca	tctgtacgt	ctgcaggAAC	cccgaacagt	tccccctgg	180
gcagggagtg	gccatagggt	gtccctatgg	acggaaAAA	gtcttaagag	gcaactccga	240
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acgtgacatc	ctcgataaaa	ctggggataa	gctgaagttc	tgtctgttca	cgaagtgg	360
aaaaaaacaat	ttcgagatcc	agaagtccct	tgatgggtcc	accatccagg	tgttcacaaa	420
aaatcagaga	atctctttcg	aggtgctggc	cgccttcaac	gctctgagct	taaatgataa	480
tcccagcccc	tggatctatc	gagagctcaa	aagatccttg	gataagacaa	atgccagtcc	540
tggtgagttt	gcagtctgt	tcactgaact	ccagcagaag	tttttgaca	accgtctgg	600
aaaactaaag	gatttgatcc	tcttgataaa	gcactggcat	caacagtccc	agaaaaaaaat	660
caaggattta	ccctcgctgt	ctccgtatgc	cctggagctg	cttacgggt	atgcctggg	720
acagggggtgc	agaaaagaca	actttgacat	tgctgaaggc	gtcagaacgg	ttctggagct	780
gatcaaatgc	caggagaagc	tgtgtatcta	ttggatggc	aactacaact	ttaaagatga	840
gacdatcagg	aacatcctgc	tgaccaggct	ccaatcagcg	aggccagtaa	tcttggatcd	900
agttgaccca	accaataatg	tgagtggaga	taaaaatatgc	tggcaatggc	tggaaaaaaa	960
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gtttctccag	cccaacaaat	gtttcctaga	gcagattgac	agtgtgtt	acatcatccg	1140
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aggatcaacc	gccaaaggca	cagctctgaa	gactggctct	gatgccgatc	tcgtcggtt	1260
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caacgaaagt	gtcagctttg	atgtgctcc	tgcccttaat	gcactgggtc	agctgagttc	1500
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tcttctggac	aaagaagcaa	aggttagtt	atcctctccc	tgcttcaagg	atgggactgg	2040
aaacccaata	ccaccttgg	aagtgcggac	aatgcagaca	ccaggaagtt	gtggagctag	2100
gatccatcct	attgtcaatg	agatgttctc	atccagaagc	catagaatcc	tgaataataa	2160
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cagtctaaa	aaggaatcc	ctgtgtctc	aaagcaaagc	tcttacttt	cccttgggt	2520
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gccaaccctt	tcattagaac	ttcaagctc	ccaaaggctc	agattataac	tgttgtcata	2700
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tccttcttgc	aaagcaaaag	actttttct	tggctttagc	cttaaagata	cttgaagggtc	2820
taggtgttt	aacctcacat	accctactt	aaactttat	cactgttgca	tataccagtt	2880
gtgataacaat	aaagaatgt	tctgg				2905

Homo sapiens cDNA FLJ20035 fis, clone COL00213.

aatctgtgg	ttttgc	caa	aactcagt	tct	atctggatgc	gttgaattat	agacagatgt	60
ctggccgtgc	tggaagaaga	ggtcaagacc	tgatggaga	tgtatatttc	tttgatattc			120
cattccccaa	aataggaaaa	ctcataaaat	ccaatgtcc	tgagctgaga	ggacacttcc			180
ctctcagcat	aaccctggtc	ctgcgactca	tgctgctggc	ttccaaggga	gatgaccagg			240
aggatgccaa	ggcaaaagggt	ctatcagtgc	taa	aggcattt	attgctgtcc	ttcaagcaac		300
ccagagtcat	ggacatgtt	aaactttact	tcctgtttt	tttgcagttc	ctgggtgaaag			360
agggctattt	agatcaagaa	ggt	taatccta	tggggtttgc	tggacttgt	tcacatttgc		420
attatcatga	accttcta	tttgc	tttttgc	tgagtttct	tgtaaatggc	ctcttccatg		480
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cacacttcga	gttttatcaa	tcaaagggt	gt	tccttgc	tctccctgag	gattttagt		660
atgctttaga	tgaatataac	atgaaaatta	tggaggactt	taccactt	tc	acgaatttgc		720
tttccaaact	ggctgatatg	aatcaggaat	atcaactccc	attgtcaaaa	atcaaattca			780
caggtaaaaga	atgtgaagac	tctcaactcg	tatctcattt	gatgagctgc	aaggaaggaa			840
gagtagcaat	ttcaccattt	gtttgtctgt	ctggaaactt	tgatgtat	ttgcttcgac			900
tagaaactcc	aaaccatgtt	actctagca	caatcggtgt	caatcgctct	caggctccag			960
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tggatttcta	caaacatgg	tccttgatag	gattagtcca	ggataacagg	atgaatgaag			1080
gagatgctt	ttattttgtt	aaggatttt	cactcaccat	taaatctatc	agtgtttcct			1140
tgcgtgagct	atgtaaaaat	gaagacgaca	acgttgc	agccttgaa	caactgagta			1200
caacttttg	ggaaaagtt	aacaaagtct	aaaaacaaag	tctatgc	ccactcaaaa			1260
ataattccat	agtagtttt	caggtcacgt	ttttgattt	tatgcttctt	gccagaaata			1320
cattatgata	aagtggaaat	acattacat	gaagtggaaa	gagcaaacac	tttggatca			1380
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acctgaatct	tggtttctt	ttataactga	gtaataatgg	ttacatctca	ggtagtttga			1500
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aagccaaagt	aaatataata	ttatcagtaa	cttataccc	agtgtcagta	ttataaaaat			1620
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ttagcataaa	tatgatttac	ataagttac	tatacagcta	ttgagatgt	actttcttagt			1740
aaacttaaac	tacttttaa	acatacattt	tgtgttgatt	taacaaaaat	atagagaatg			1800
atttgcttta	ttgttaattgt	atataa	gtca	ctgaaaaagc	acaaagaaaat	aaagtgggtt		1860
cgatctgttt	accaaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaa				1906

Homo sapiens monocarboxylate transporter 2 (hMCT2) mRNA, complete cds.

ggaaacttct	gcctcagggtg	gggagaggag	tccatagatc	agggaaacctt	atgtcttggt	60
gaaaatggaaag	accatgtttc	taaacacactg	tcgccagggtt	acttgaattt	ccactagagg	120
agcagaaaatg	ccaccaatgc	caagtcccc	acctgtgcat	ccacccctcg	atggaggatg	180
gggttggatt	gtgttggag	cagctttat	ctccatttgg	ttttctatg	cattccccaa	240
agctgtcacc	gtattctca	aagaaattca	gcaaataattc	cacactacct	acagtgaard	300
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tttggtaat	aaatacggca	gccggccgg	ggtgatagca	ggaggcttat	tatgtctgtct	420
tggaatgtg	ttggcctct	tttagtagcag	cgtggtagac	ctgtaccta	ctatgggatt	480
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cctgattttg	ggaagtctac	ttttgaatgc	ctgtgtggct	ggttccctca	tgagacccct	720
tggacccaat	caaaccactt	ctaagctaa	aaataaagact	ggcaaaacag	aagatgatc	780
aagccaaag	aaaatcaaaa	cgaaagaaatc	aacttggaa	aaagttataa	agtatttaga	840
tttctccctt	ttaaggcata	gaggatttct	gatatatctg	tctggaaatg	tcatatgtt	900
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cacaatttgc	gagtgtggcc	cagttcttct	tggccctcct	cttgcaggta	aattgggtgga	1320
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cgtgtggctg	ctcatttggca	atgtatcaa	ctatagattt	tttgc	aaaggaaaggaa	1440
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ttaacaagaa	tcacatctt	gatttgc	tttgc	tttgc	tttgc	1620
attttgc	tttgc	tttgc	tttgc	tttgc	tttgc	1680
gatggaggtg	atattttcct	caatggccaa	tttgc	tttgc	tttgc	1740
ttgggttagt	aaattttgag	attatgcata	gaaagaatcc	atgtatagg	tttgc	1800
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agatagagtt	gagagacaat	taattatccc	cttgcacaca	caaacacaca	tactcccaca	2040
tacttaccca	catgtacaca	gagtagtgc	agaataaaac	ccaaattcaa	aaaaaaaaaa	2100
aaaa						2104

Homo sapiens interferon-induced protein 44, mRNA (cDNA clone MGC:24007

ggggcatttt	gtgcctgcct	agctatccag	acagaggcgc	taccctcagc	tctagctgat	60
actacagaca	gtacaacaga	tcaagaagta	tggcagtgc	aactcgtttgc	acacgggttc	120
acgaaaaagat	cctgaaaaat	cattttggag	ggaagcggct	tagccttctc	tataagggtt	180
gtgtccatgg	attccgtaat	ggagtttgc	ttgacagatg	ttgtatcaa	gggcctactc	240
taacagtgtat	ttatagtgaa	gatcatatta	ttggagcata	tgcggaagag	agttaccagg	300
aaggaaagta	tgcttccatc	atccttttgc	cacttcaaga	tactaaaatt	tcagaatgg	360
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tggatttgc	tacaaaaggt	gaccttata	aaatagagag	atgtgagcct	gtgaggtcca	1200
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attatttc	tgagtgggg	ctggaccctg	taaaggatgt	tctaatttctt	tctgctctga	1320
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agtaataatt	tttcttggat	ttatgttctg	tatctgtgaa	aaaataaaatt	tcttataaaaa	1680
ctcggaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaa			1714

601067066F1 NIH_MGC_10 Homo sapiens cDNA clone IMAGE:3453257 5', mRNA sequence.

aaatctcaag acacattcac aaacaaatgg ttatcaccaa ggtttcatg ctctactcat	60
gttgacatga gttgtattaa ttgggtactg gaagtccagg atctgttgag gaagtcagtg	120
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aaccctgttt gtcctgtgt aacagtcaaga tgatgactaa taataaaaact gtacttttg	720
aaaaaaaaaca aaaaaaaaaaaaaacca ggcääaaagac ccccg	756

Human glutamate receptor subunit (GluH1) mRNA, complete cds.

ggtaaaggga	aagggggggaa	aacacccaaat	ctatgattgg	acctgggctt	tttttcgc	60
aatgcaaaaa	ggaatatgca	gcacatttt	gccttcttct	gcaccgggtt	cctaggcgcg	120
gtagtaggtg	ccaatttccc	caacaatatac	cagatcgaaa	gattatttcc	aaaccagcag	180
tcacagaac	atgctgctt	tagatttgc	ttgtcgcaac	tcacagagcc	cccgaaagctg	240
ctccccaga	ttgatattgt	gaacatcagc	gacagcttgc	agatgaccta	tagattctgt	300
tcccaggttc	ccaaaggagt	ctatgccatc	tttgggtttt	atgaacgtag	gactgtcaac	360
atgctgacct	ccttttgtgg	ggccctccac	gtctgcttca	ttacgcccgg	cttcccggtt	420
gatacatcca	atcagtttg	ccttcagctg	cggccctgaac	tgaggatgc	cctcatcagc	480
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zn32e02.s1 Stratagene endothelial cell 937223 Homo sapiens cDNA clone
IMAGE:549146 3', mRNA sequence.

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c	601

Homo sapiens mRNA expressed in osteoblast, complete cds.

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DE wy59c01.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo sapiens cDNA clone
 DE IMAGE:2552832 3', mRNA sequence.

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Homo sapiens mRNA for C11ORF25 gene

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actaatatat atgtgcattc agtctgcctt gacaaggtgtt tccaaagctga agagcttca	6420
ctgtacaatg tgtggaaaat caccatagat catggctgaa atagttgtt attgtctgag	6480
tctgtgcacg tacttttaga taaaatgctg ctgagtgact gcatgatgag atacaacttc	6540
tgaatgctgc acattcttcc aaaatgatcc ttagcacaat ctattgtatg atggaatgaa	6600
tagaaaactt tttcactcaa taaattatta tttgatatgg t	6641

Homo sapiens isopentenyl-diphosphate delta isomerase, mRNA (cDNA clone)

gtgttctaga	acagatcaga	cattttgtaa	tgatgcctga	aataaacact	aaccacctcg	60
acaaggcaaca	ggtcaactc	ctggcagaga	tgtgtatcc	tattgatgaa	aatgacaata	120
aaattggagc	tgagaccaag	aagaattgtc	acctgaacga	gaacattgag	aaaggattat	180
tgcatcgagc	tttagtgtc	ttcttattca	acaccgaaaa	taagcttctg	ctacagcaa	240
gatcagatgc	taagattacc	tttccaggtt	gttttacgaa	tacgttgt	agtcatccat	300
taagcaatcc	agccgagctt	gaggaaagtg	acgccttgg	agtgaggcga	gcagcacaga	360
gacggctgaa	agctgagcta	ggaattccct	tggaagaggt	tcctccagaa	gaaattaatt	420
attnaacacg	aattcactac	aaagctcagt	ctgatggtat	ctggggtgaa	catgaaaattg	480
attacattt	gttggtgagg	aagaatgtaa	ctttaaatcc	agatccaaat	gagattaaaa	540
gctattgtta	tgtgtcaaag	gaagaactaa	aagaacttct	aaaaaaagca	gccagtggtg	600
aaattaagat	aacgcctatgg	tttaaaaatta	ttcagcgcac	ttttctctt	aatggtggg	660
ataacttaaa	tcatttgaat	cagtttggtg	accatgagaa	aatatacaga	atgtgaatat	720
gttagttaaat	gattacagaa	aaatttatct	gtttaacaaa	cttagaatga	ctttttccctt	780
ttaaatttag	ttctatcatt	aatttatcat	taaatttagt	tctatcattt	ggtactatca	840
ttaatgtatt	atacacactg	atactttaaa	acttgggtgg	aaaaaaactaa	cttataattt	900
tgtatcacac	accctggata	tgtgttctgt	ttctaagcga	catttggtag	agattattgt	960
aaaatgagag	cgagcaata	aaacttaatt	taatcttgc	agatacatac	ttatgggaaa	1020
tttgaacaaa	tgagtgaaac	tctgtgttt	tagtaggctg	tgataaaacat	ttccggagca	1080
cctgcagagg	acttgctatt	tgccagggtgc	tttatgtatc	attaaatttt	tctcatagtt	1140
cagaaaaatg	tgcaaaggaa	actattgtct	cgctccttca	aaacagtctt	äättaacttt	1200
catatttagca	gattaaacta	gcagagcagg	ttcaagggaa	attaaatgat	atggacccta	1260
atttgtatca	ttctgagttt	attgtgttgt	ttatttcattc	tggaaacatg	ttgataactta	1320
cagtcagcca	ctgctttga	taagtgtat	tgattaggtt	gaatcttctt	gtaaatagta	1380
tttaccagtt	agcaaagtct	gtgttttcag	aattacagtg	agcacagagg	tgttcataaa	1440
atgggaattt	agtcccactc	ggtaagagtt	gtttaaactt	gacactgttg	acattgggc	1500
tggataaaaac	ccctgtggtg	gggtctgtgc	tgtgcattgc	aggatggtga	gcagcgtccc	1560
tctcatgtga	cacccacagt	tatgccggat	gttgcagat	gccccatggg	gacagagtc	1620
acccccaact	gaggaccact	gtcctacaga	gtcaggaaat	attgttaggaa	aaaaaaaata	1680
acaacaacaa	aggcctgtgt	taatgttaaa	tagatgagat	tatggaaatgt	gtatattaat	1740
gttaaaaaatt	gtaccttgat	caatgtactt	tttataaaact	tgccatagat	atctcagatt	1800
tgaaacctca	agacagattt	attattctt	aatgctgtat	gataatgaag	aaaataaaaa	1860
atttatttct	tgcaaagttt	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	a	1911

Human prostaglandin endoperoxide synthase mRNA, complete cds.

gccccatgag	ccggagtctc	ttgctccgt	tctgctgtt	cctgcctcg	ctccgcgc	60
tccccgtcct	gctcgccgac	ccaggggcgc	ccacgccagt	gaatccctgt	tgttactatc	120
catgccagca	ccagggcatac	tgtgtccgt	tcggcccttga	ccgctaccag	tgtgactgca	180
ccgcacggg	ctattccggc	cccaactgca	ccatccctgg	cctgtggacc	tggtccoggaa	240
attcaactgca	gcccagcccc	tctttcaccc	acttcctgt	cactcacggg	cgctggttct	300
gggagtttgt	caatgccacc	ttcatccgag	agatgctcat	gcgcctggta	ctcacagtgc	360
gctccaacct	tatccccagt	ccccccacct	acaactcagc	acatgactac	atcagctggg	420
agtctttctc	caacgtgagc	tattacactc	gtattctgcc	ctctgtgcct	aaagattgcc	480
ccacacccat	gggaacccaaa	gggaagaaggc	agttgccaga	tgcccgctc	ctggcccgcc	540
gcttcctgct	caggaggaag	ttcatacacctg	acccccaagg	caccaacctc	atgtttgcct	600
tctttgcaca	acacttcacc	caccagttct	tcaaaaacttc	tggcaagatg	ggtcctggct	660
tcacccaaggc	cttggggccat	ggggtagacc	tcggccacat	ttatggagac	aatctggagc	720
gtcagtgatca	actgcggctc	ttaaggatg	ggaaactcaa	gtaccagggtg	ctggatggag	780
aaatgttaccc	gccctcggt	gaagaggcgc	ctgtgttgat	gcactacccc	cgaggcatcc	840
cgcccccagag	ccagatggct	gtggggcagg	aggtgtttgg	gctgcttccct	gggctcatgc	900
tgtatgccac	gctctggcta	cgtgagcaca	accgtgtgtg	tgacctgctg	aaggctgagc	960
accccacctg	gggcgatgag	cagctttcc	agacgaccgg	cctcatcctc	atagggggaga	1020
ccatcaaqat	tgtcatcgag	gagtacgtgc	agcagctgag	tggctatttc	ctgcagctga	1080

aatttggccc	agagctgctg	ttcgggtgtcc	agttccaata	ccgcaaccgc	attgccatgg	1140
agtcaacca	tctctaccac	tggcacccccc	tcatgcctga	ctccttcaag	gtgggctccc	1200
aggagtacag	ctacgagcag	ttcttggttca	acacctccat	gttgggtggac	tatgggggtg	1260
aggccctgg	ggatgccttc	tctcgccaga	ttgtctggccg	gatcggtggg	ggcaggaaaca	1320
tggaccacca	catcctgcat	gtggctgtgg	atgtcatcag	ggagtctcg	gagatgcggc	1380
tgcagccctt	caatgagtagc	cgcaagaggt	ttggcatgaa	accctacacc	tccttccagg	1440
agctcgtagg	agagaaggag	atggcagcag	agtggagga	attgtatgga	gacattgtatg	1500
cgttggagtt	ctaccctgg	ctgcttcttg	aaaagtgc	tccaaactct	atctttgggg	1560
agagtatgat	agagattggg	gctccctttt	ccctcaagg	tctcttaggg	aatccccatct	1620
gttctccgga	gtactggaag	ccgagacat	ttggcggcga	ggtgggctt	aacattgtca	1680
agacggccac	actgaagaag	ctggctctg	tcaacaccaa	gacctgtccc	tacgtttct	1740
tccgtgtg	ggatgccagt	caggatgatg	ggcctgtgt	ggagccacca	tccacagagc	1800
tctgaggggc	aggaaagcag	cattctggag	gggagagctt	tgtgctgtc	attccagagt	1860
gctgaggcca	gggctgatgg	tottaaatgc	tcattttctg	gttggcatg	gtgagtgtt	1920
gggttgcacat	ttagaacttt	aagtctcacc	cattatctgg	aatattgtga	ttctgtttat	1980
tcttccagaa	tgtgaactc	cttggtagcc	cttcagatt	ttaggagtgg	ttctcatttg	2040
gtctgcccaga	atactgggtt	cttagttgac	aacctagaat	gtcagattc	tggttgattt	2100
gtaacacagt	cattcttagg	tgtggagcta	ctgatgaaat	ctgctagaaa	gttaggggt	2160
tcttatttt	cattccagaa	tcttgacttt	ctgattgggt	atccaaagt	ttgtgttccc	2220
tggctgtatg	tccagaacag	tggctctgtat	cccaaatact	tcagcatctg	gctgtctaga	2280
atgtggattt	gattcatttt	cctgttcagt	gagatatacat	agagacggag	atcctaaggt	2340
ccaacaagaa	tgatccct	gaatctgtgc	ttgcactgag	agggcaagga	agtgggggtgt	2400
tcttcttggg	accccaacta	agaccctgg	ctgaggatgt	agagagaaca	ggtggggctgt	2460
attcacgcca	ttgggtggaa	gctaccagag	ctctatcccc	atccaggtct	tgactcatgg	2520
cagctgtttc	tcatgaagct	aataaaaattc	cccc			2554

602381868F1 NIH_MGC_93 Homo sapiens cDNA clone IMAGE:4499393 5', mRNA sequence.

tgtgaataga caagaagctg tactatatgt gctctctcag tggcaacaat gaagtttgc	60
aattctagaa ctggatttt ttttttaaca aaagtcccaa aacaccaaaa atgtaaacaa	120
gataagagat taatattgt gtgatgtaat ttaattaaag ttatattttg gtttaatttt	180
aacaactgaa gtcttattgt tgaaacctat tttcaacaaa actgtcgagt taaatttgta	240
tacgtattca catactgaaa gatgaaccgt taaaatagca cttaaattttgt gttcttcaa	300
tatgtcttga tatactttgt gcaattaata ttacacatgt aagttgtatg gcagtttaca	360
gaactcaatg acttgcattg aggtttcat atgagctaca cattgtgtac attgatgggt	420
ttttatTTT acataaaatcc attctgtcat tttcaacttt atatataaat ctccaatgtt	480
atgggaaaca atagattgac acataatttt taaaaattat attgtaaaat ttctctatgg	540
tgaataaagt cttttaat aaaaaaaaaaaaaaaa gaaacaaaaaa aagaaaaaaaa	600
aaaaaaaaaaaa aaaaaaaaaaaa aggggggggg ggaaaaaaaa accacggggg gcacaaatct	660
atccgccacc cacgtttaga tcaaaggggc cccaaagagag agacaaaaga aagcgacggc	720
gacacaacaa ccgggggcac acggtacga cttagggagag cacaatcgcg gtagtaggac	780
acacacaaaa aacgagaaca aacaggaccg tgacaccacc tgcgattgcc taataaaaag	840
gcagaaacgg cacgcacagc gacgagcacg cagcagaaac accacacgca gcaccatgta	900
c	901

Homo sapiens mRNA for quinolinate phosphoribosyl transferase, complete cds.

atggacgctg aaggcctggc gctgctgtc ccccccgtca ccctggcagc cctggtggac	60
agctggctcc gagaggactg cccagggctc aactacgcag cttggtcag cggggcagga	120
ccctcgagg cggcgctgtg ggccaaatcc cctgggtac tggcagggca gccttcttc	180
gatccccat ttaccacaact caactgccaa gtctccctggt tcctcccgaa gggatcgaag	240
ctgggtccgg tggccagagt ggccgagggtc cggggccctg cccactgcct gctgctgggg	300
gaacgggtgg ccctcaacac gctggcccg tgcagtggca ttgccagtg tgcgcggct	360
gcagtggagg ccccgagggg ggccggctgg actgggcacg tggcaggcac gaggaagacc	420
aegccaggct tccggctggt ggagaagtat gggctctgg tggggggc cgcctcgac	480
cgcctacgacc tgggagggtt ggtgatgtt aaggataacc atgtggtgcc ccccggtggc	540
gtggagaagg cggtgccggc ggccagacag gcggctgact tcgcctctgaa ggtggaaatg	600
gaatgcagca gcctgcagga ggtcgccag gcagctgagg ctggcgccga cttgtcttg	660
ctggacaact tcaagccaga ggagctgcac cccacggcca cccgcgtgaa ggcccagtcc	720
ccgagtgtgg ctgtgaaagc cagtggggcc atcacccctgg acaacctccc ccagttctgc	780
gggcccaca tagacgtcat ctccatgggg atgctgaccc aggcggtccc agcccttgat	840
ttctccctca agctgtttgc caaagaggtg gctccagtgc cccaaaatcca ctag	894

Homo sapiens mRNA for cytochrome P-450 HFLA, complete cds.

gtgtatggatc	tcatccccaa	cttggccgtg	gaaacctggc	ttctccctggc	tgtcagcctg	60
atactcctct	atctatatgg	aaccgtaca	catggacttt	ttaagaagct	tggaattcca	120
ggggcccacac	ctctgcctt	tttggaaat	gctttgtct	tccgtaaagg	ctattggacg	180
tttgacatgg	aatgttataa	aaagtataga	aaagtctggg	gtatttatga	ctgtcaacag	240
cctatgtgg	ctatcacaga	tcccgacatg	atcaaaaacag	tgcttagtga	agaatgttat	300
tctgtcttc	caaaccggag	gccttcggg	ccagtggtat	ttatgaaaaa	tgccatctct	360
atagctgagg	atgaagaatg	gaagagaata	cgatcattgc	tgtctccaac	attcaccagc	420
ggaaaaactca	aggagatggt	ccctatcatt	gcccgagtatg	gagatgtgtt	ggtgagaaaat	480
ctgaggccgg	aagcagagac	aggcaaggct	gtcaccttg	aacacgtctt	tggggccctac	540
agcatggatg	tgatcaactag	cacatcattt	ggagtggac	tcgactctct	caacaatcca	600
caagaccct	tttgtggaaaa	caccaagaag	cttttaagat	ttaatccatt	agatccattc	660
gttctctcaa	taaaaagtctt	tccattcctt	accccaattc	ttgaagcatt	aaatatcact	720
gtgtttccaa	gaaaagttat	aagtttcta	acaaaaatctg	taaaacagat	aaaagaaggt	780
cgcctcaaag	agacacaaaaa	gcacccgatg	gatttccttc	agctgtatgt	tgactctcag	840
aattcaaaag	actctgagac	ccacaaagct	ctgtctgtatc	tggagctcat	ggcccaatca	900
attatctta	tttttgctgg	ctatgaaacc	acgagcagtg	ttctctcctt	cattatataat	960
gaactggcca	ctcacccctga	tgtccagcag	aaagtgcaga	aggaaaattga	tacagttta	1020
cccaataaagg	caccacccac	ctatgatact	gtgctacagt	tggagtatct	tgacatggtg	1080
gtgaatgaaa	cactcgatatt	tttcccgat	gctatggac	ttgagagggt	ctgaaaaaaaa	1140
gatgttggaa	tcaatggat	gttttattccc	aaagggggtgg	tgggtatgt	tccaagctat	1200
gttcttcatc	atgacccaaa	gtactggaca	gaggctgaga	agttcctccc	tgaaaggttc	1260
agtaaaaaaga	acaaggacaa	catagatct	tacatataca	caccctttgg	aagtggaccc	1320
agaaaactgca	ttggcatgag	gtttgctctc	gtgaacatga	aacttgctct	agtcagagtc	1380
cttcagaact	tctccttcaa	accttgtaaa	gaaacacaga	tcccccgtaa	attacgttt	1440
ggaggacttc	ttctaacaga	aaaaccatt	gttctaaagg	ctgagtcaag	ggatgagacc	1500
gtaaagtggag	cctgatttcc	ctaaggactt	ctgggttgc	ctttaagaaa	gctgtgcccc	1560
agaacaccag	agacctcaaa	ttactttaca	aatagaaccc	tgaaatgaag	acgggcttca	1620
tccaaatgtgc	tgcatataata	atcagggtatt	ctgtacgtgc	attgtgtct	ctcatggct	1680
gtatagagt	ttataacttgg	taatatacg	gagatgcac	aatcagtgt	ggggaaagtag	1740
atttggcttc	tctgcttc	ataggactat	ctccaccacc	cccagttgc	accattaact	1800
cctcctgagc	tctgataaca	taattaaacat	ttctcaataa	tttcaaccac	aatcattaat	1860
aaaaatagga	attatttga	tggctcta	agtgcacattt	atatcatgtg	ttatatctgt	1920
agtattttat	agtaagctt	atattaagca	aatcaataaa	aaccttta	c	1971

Human mRNA for endothelin converting enzyme, complete cds.

atgcggggcg tggcccgcc cccgggtgtcc gcccctgtgt cgccgcgtggg gatgtcgacg	60
tacaaggcggg ccacgctggc cgaggaggac ctgggtggact cgctctccga gggcgacgca	120
taccccaacg gcctgcaggt gaacttccac agccccccgga gtggccagag gtgtgtggct	180
gcacggaccg aggtggagaa gccggctggtg gtgttgggtg tacttctggc ggcaggactg	240
gtggcctgtt tggcagact gggcatccag taccagaccaa gatccccctc ttttgtgcctg	300
agcgaagctt gtgtctcagt gaccagctcc atcttgagct ccatggaccc cacagtggac	360
ccctgccatg acttcttcag ctacggctgt gggggctggta tcaaggccaa cccagtcct	420
gatggccact caccgtgggg gaccttcagc aacctctggg aacacaacca agcaatcatc	480
aagcacctcc tcgaaaactc cacggccagc gtgagcgagg cagagagaaa ggcgcaagta	540
tactaccgtg cgtgcatgaa cgagaccagg atcgaggagc tcagggccaa acctctaatt	600
gagttgattt agaggctcgg gggctggAAC atcacaggTC cctggggccaa ggacaacttc	660
caggacaccc tgcaggtggt caccggccac taccgcaccc cacccttctt ctctgttotat	720
gtcagtgccg attccaagaa ctccaaacagc aacgtgatcc aggtggacca gtctggcctg	780
gggttgcctt cgagagacta ttacctgaac aaaactgaaa acgagaaggt gctgaccgga	840
tatctgaact acatggtcca gctggggaaat ctgctggcg gcggggacga ggaggccatc	900
cgggccca gtcagcagat cttggacttt gagacggcac tggccaaacat caccatccca	960
caggagaagc gccgtgatga ggagctcatc taccacaaag tgacggcagc cgagctgcag	1020
accttggcac ccgcacatcaa ctgggtgcct tttctcaaca ccattttcta ccccgtggag	1080
atcaatgaat ccgagcctat ttttgtctat gacaaggaat accttgcac gatctccact	1140
ctcatcaaca ccaccgcacat atgcctgctc aacaactaca tgatctggaa cctgggtgcgg	1200
aaaacaagct ctttccttga ccagcgctt caggacgcgg atgagaagtt catggaaatc	1260
atgtacggga ccaagaagac ctgtcttcct cgctggaaat tttgcgtgag tgacacagaa	1320
aacaacctgg gctttgcgtt gggcccccattt tttgtcaaa caacccttcgc cgaggacacgc	1380
aagagcatag ccaccgcagat catcctggag attaagaagg catttgagga aagcctgagc	1440
accctgaagt ggtatggatga gggaaacccga aaatcagcca aggaaaaggc cgatggccatc	1500
tacaacatga taggataccca caacttcatc atggatcccc aggagctggc caaagtgttt	1560
aatgactaca ctgcagttcc agacctctac tttgaaaatg ccattgcgggtt tttcaacttc	1620
tcatggaggg tcaactgcccga tcagctcagg aaagccccca acagagatca gtggagcatg	1680
accccccggccca tggtaaacgc ctactactcg cccaccaaga atgagattgt gtttccggcc	1740
gggatctgc aggaccattt ctacacacgc tcctcacccca aggccttaaa ctttgggtggc	1800
ataggtgtcg tggggccca tgagctgact catgctttt atgatcaagg acgggagat	1860
gacaaggacg ggaacctccg gccatgggtgg aagaactcat ccgtggaggc ttcaagcgt	1920
cagaccgagt gcatggtaga gcagtgacgc aactacacgc tgaacgggg gccggtaac	1980
ggccggcaca ccctggggga gaacatgcgc gacaacgggg gtctcaaggc ggcctatcgg	2040
gcttaccaga actgggtgaa gaagaacggg gctgagact cgctccccac cctgggcctc	2100
accaataacc agctcttctt cctgggtttt gcacaggtct ggtgtccgt ccgcacaccc	2160
gagagctccc acgaaggcct catcaccgcat cccacacgc cctctcgctt ccgggtcatc	2220
ggctccctctt ccaattccaa ggagttctca gaacacttcc gctgcccacc tggctcaccc	2280
atgaacccgc ctcacaagtg cgaagtctgg taaggacgaa gcggagagag ccaagacgga	2340
ggaggggaag gggctgagga cgagacccccc atccagcctc cagggcattt ctcagccccc	2400
ttggccacc	2409

602386668F1 NIH_MGC_93 Homo sapiens cDNA clone IMAGE:4515521 5', mRNA

gcagaatgga agcttagagg aacttgcctg tgagcgctgg tcttgtgttg gtttgtatg	60
taacgatctt gctggggttt tttgcttggtt ttgaggaaa tgtcttggag taaattttaa	120
gttcctggag ttaatttggtt ttacaggaat ttgtttttta aaaaaatagg atcattctga	180
acttggaatg acccccttat atatttctg aaaatgaaaa cagttacatg aaaaaaattt	240
ccaatgaaga tgtcagcatt ttatgaaaaa ccagaagttt ttagatgaaa gcagcgagtg	300
aatctttaaa acagacttga tcacgcacac acaataagtc ttctctccg aaaccggaag	360
taaatctata tctgttagaa ataatgtgc caaaaagaatg taaatttgag gatttttgc	420
caatagttt tagaaaaatat atgaacccaa gtgatttgag ttgtaaaaaa tgtaaaaatag	480
tatgaaccaa atttgcactc taccagattt gaacatctag tgaggttcac attcatacta	540
agttttcaac attgtgttct ttggcattc attttttact ttattaaag gttcaaaacc	600
aaaaaagaaa aaaag	615

Homo sapiens mRNA for Rev-ErbAalpha protein (hRev gene)

ccgttgcctc	aacgtccaac	ccttctgcag	ggctgcagtc	cggccacccc	aagaccttgc	60
tgcagggtgc	ttcgatcc	gatcgtga	cgcggttcc	actccccgc	cttagccagt	120
gcccaggggg	caacagcggc	gatcgcaacc	tctagttga	gtcaagggtcc	agtttgaatg	180
accgctctca	gctggtaag	acatgaccac	cctggactcc	aacaacaaca	caggtggcgt	240
catcacctac	attggctcca	gtgggtcc	ccaaagccgc	accagccctg	aatcccteta	300
tagtgacaac	tccaatggca	gottccagtc	cctgacccaa	ggctgtccca	cctacttccc	360
accatcccc	actggctccc	tcacccaaga	cccggtcgc	tcctttggga	gcattccacc	420
cagcctgagt	gatgacggct	cccttcttc	ctcatcttc	tcgtcgat	cctccctc	480
cttctataat	gggagcccc	ctgggagtt	acaatggcc	atggaggaca	gcagccgagt	540
gtccccccagc	aagagcacca	gcaacatcac	caagctgaat	ggcatggtgt	tactgtgtaa	600
agtgtgtggg	gacgttgcct	ccgggttc	ctacgggtgt	ctcgccgtcg	agggtgc当地	660
gggggttttc	cgtcgagca	tccagcagaa	catccagttac	aaaagggtgc	tgaagaatga	720
gaattgtcc	atcgccgca	tcaatcgcaa	ccgctgccag	caatgtcgct	tcaagaatgt	780
tctctgtgt	ggcatgtctc	gagacgtgt	gcttttggg	cgcatccca	aacgagagaa	840
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Homo sapiens insulin induced protein 1 (INSIG1) gene, complete cds.

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tttggcaca gccctatgga atttgcaatc tgtgattgcc ttgtaaaaag gagagtgcatt	11580
atggcactgc attaaacgtg tgggtttct agtcaatgtt attgggtgagc acaatgtatt	11640
catttaatgg catagaccat accagaccta atttgcattt attgggtctt caaaacttcaa	11700
gtgcaatgta ttatgaaaac caatctgagc cttgtatctc ttaaatattt attccttcta	11760
acgtgtgaga tgtcccgaga gaagggttccatcattt cagtgcgtcc tggagggaaac	11820
tcggcaatga ttcttcagt tggtaagttc cttoogggtt acaaaccttcca ctggaaaccct	11880
caacccttca aatactccag ttttgggggt tggggccatt tacttataaa ttaccggccg	11940
ggtttttggg atctacatgt ttgggggggg ggctcaaaattt ctgcggaaagt ggttggatta	12000
aaa	12003

yy35b09.s1 Soares melanocyte 2NbHM Homo sapiens cDNA clone IMAGE:273209 3',
mRNA sequence.

ncagcatttt tcggcctctt tatttagaac ccggcgacg aggggccgg gcagtggta	60
agacggctca ggaaccattt taacagactt gtcttcaagt ttccagataaa cacagtcata	120
ataagagaga cagcgaaanc cgaagagact gcaagctaga tgggcattgtat tggcagctac	180
agcttgtgag tgaccctt ccccagatgc cgcatgaaa ataaagtac acttgtcaat	240
aaccagatgt gggagatgga gagtgccctt gnantaacca ataaccgagc tagtgcgtgg	300
cagagcggtc cacgccttgg acataaataag aaaatataag tttagtataac tttaaaaaact	360
ttttgtacaa atatacatgg tttttttt ttttccnttt tttttccctt ttcccttttt	420
ttgcactgag ttccagcaga gattaaacat tttatat	457

Homo sapiens tumor rejection antigen (gp96) 1.. mRNA (cDNA clone)

gaggatccga	accagggggt	gggggggtgga	ggcggtctt	gcgtatcgaa	gggacttgag	60
actcaccggc	cgcacgccc	gagggccctg	tgggtgtcg	gcctctgtcg	cgtcctgtcg	120
accttcgggt	cggtcagagc	tgacgtgaa	gttcatgtgg	atggtacagt	agaagaggat	180
ctgggtaaaa	gttagagaagg	atcaaggacg	gatgtgaag	tagtacagag	agaggaagaa	240
gttattcgt	tggatggatt	aatatcgatca	caaataagag	aactttagaga	gaagtggaa	300
aagtttgcct	tccaaggcga	agttaacaga	atgtgaaac	ttatcatcaa	ttcattgtat	360
aaaaataaaag	agatttcct	gagagaactg	atttcaaatg	cttctgtgc	tttagataag	420
ataaggctaa	tatcaactgac	tgatgaaaat	gctcttcgt	gaaatgagga	actaacatgc	480
aaaatattaat	gtgataaggaa	gaagaacctg	ctgcgtgtca	cagacacccg	tgttaggaatg	540
accagagaag	agttgtttaa	aaacacctgtt	accatagcca	aatctggac	aagcgagtt	600
ttaaaacaaaa	tgactgaagc	acaggaagat	ggccagtcaa	cttctgaatt	gattggccag	660
tttggtgtcg	gtttcttattc	cgccttcctt	gtacagata	aggttattgt	cacttcaaaa	720
cacaacaacg	ataccagca	catctggag	tctgactcca	atgaatttc	tgttaattgct	780
gacccaagag	gaaacactct	aggacgggaa	acgacaatta	ccctgtctt	aaaagaagaa	840
gcatctgatt	accttgaatt	ggatacatt	aaaaatctcg	tcaaaaaata	ttcacagttc	900
ataaaactttc	ctatttatgt	atggagcagc	aagactgaaa	ctgttgagga	gcccatggag	960
gaagaagaag	cagccaaaga	agagaaagaa	gaatctgtat	atgaagctgc	;agcaagacga	1020
agatgaagaa	atggatgtgg	gaacagatga	agaagaagaa	acagcaaagg	aatctacagc	1080
tggaaaaagat	gaattttaaa	ttatactctc	accatttgg	tcctgtgtgg	agagggaaatg	1140
tggaaatttac	atcatttctt	tttgggagag	acttgttttgc	gatgccccct	aatcccccttc	1200
tccccctgcac	tgtaaaatgt	gggattatgg	gtcacaggaa	aaagtgggtt	tttttagttga	1260
atttttttta	acatttctca	tgaatgtaaa	tttgactat	ttaactgact	attcttgatg	1320
taaaatcttg	tcatgtgtat	aaaaataaaaa	aagatccaa	ataaaaaaaa	aaaaaaaaaa	1380
a						1381

Homo sapiens tumor suppressor deleted in oral cancer-related 1, mRNA (cDNA clone MGC:3779 IMAGE:3659410), complete cds.

gcgcgcaagg	caccgggtggc	agcggcgacg	gcagctgcga	cagcaacccc	tgctggccg	60
aaactgggc	a g a c g g a g c a	g a c g t c t g a a	g c a g c g c a g	t g a g g c g c a	g g g t a g c g c c	120
cgcgccccggg	a a g a c c c t c	g g c g c g a a c c	g g c a g c c c a g	c c c c g g g t c c	c g g t t c c c a a	180
ggccccgcct	c t a g g g c c t g	g g g a c t a a t c	g g a t t g a g a g	c g c g c c g g c c	c g g g c c g c g a	240
actcgccaaat	t g c g g a g g g c	g g t g g c c a c c	g c c c a a t c c g	g a g c a g a c a g	g t g c g a g g t c	300
cggaaggcgg	a g g c c a a t c g	g c g g c g g t t g	c g a c c t g c t g	g g g c a g g t c t	c g g c c a a t a a a	360
ggaggctcg	g t g a c a t c t t	c g c g c a c c a a	t c g g g a g t g a	g g g a g c a t t c	g t g c c c g c t c	420
gcccttcgg	c c a g a c c t c t	a t t a c c a g g	g g c g t g c a g c	c c g c t t g c c a	a t c a g a g c g c	480
ggctgagcgg	c c c c g c a g c c	a a c c c c c g a g	g a g c g g c c g g	c t g g c g t c c g	c c g c g c c c a g	540
gagttgggga	t g t c c t a c a a	a c c c a t c g c c	c c t g c t c c c a	g c a g c a c c c c	t g g c t c c a g c	600
acccctgggc	c g g g c a c c c c	g g t c c t a c a	g g a a g c g t c c	c g t c g c c g t c	g g g c t c a g t g	660
ccaggagccg	g c g c t c c t t	c a g a c c g c t g	t t t a a c g a c t	t t g g a c c g c c	t t c c a t g g g c	720
tacgtgcagg	c g a t g a a g c c	a c c c g g o g c c	c a g g g c t c c c	a g a g c a c t a	c a c g g a c c t g	780
ctgtcagtca	t a g a g g a g a t	g g g c a a a g a g	a t c c g g c c t a	c c t a t g c t g g	c a g c a a g a g c	840
gccatggagc	g c c t g a a g a g	a g g t a t c a t e	c a t g c c c g g g	c c c t a g t c a g	a g a g t g c c t g	900
gcagagacag	a g c g g a a c g c	c c g c a c g t a a	c a g g a a g c g c	c t c g g c c t c a	g c g t c t g g a c	960
ctatccggcc	a c t g c a g a g c	a c c c g c t t c t	c c c t g g c c t t	c a t c c c g a g t	t g c a c t a a c c	1020
atcctgggct	t c c t g t c c t g	t g t c c t t g g	t g g g t c c c c t	c c a g g a a c c a	a g g a g t g g c c	1080
ctccaggtgg	c a g c a c t a a g	g a c a c c c c c c	c a c a a c a a g a	g t t a g c a g c g	a g g t c c c c a t	1140
gagtcccacc	c a t g a c c t g c	c g a c a g t g t t	g c c c a c c g g a	a c t t t t g t g g	c c c c t a c c g c	1200
tcagcccttc	c c a g c a c t t c	t c c c a c t t t g	t c c c g a g c c t	c c t t c t c c c c	c a g c a g g g g c	1260
acaggcctgg	c a c c t c c t g	c c t t g t g t c c	t g a g c c a t a g	t g a c t c t t t	a t c t g t g t g t	1320
cttttgcataa	a t a t g c c c t t	t t t a t a t t a a	t a a a a g a t g a	t t t g g a g t t g	t g c t c t c a a a	1380
aaaaaaaaaaa	a a a a a a a a a a					1397

Homo sapiens TNFR-related death receptor-6 (DR6) mRNA, complete cds.

atggggacct	ctccgagcag	cagcacccgc	ctcgccctc	gcagccgc	cat	cgccccccga	60
gccacagcca	cgatgatcgc	gggctccctt	ctcctgc	tgttcc	tttag	caccaccaca	120
gctcaggccag	aacagaaggc	ctcgaatctc	attggcacat	accgc	ccatgt	tgaccgtgcc	180
accggccagg	tgctaaccctg	tgacaagtgt	ccagcaggaa	cctatgt	ctc	tgagcattgt	240
accaacacaa	gcctgcgcgt	ctgcagcagt	tgccctgtgg	ggacctt	ttac	caggcatgag	300
aatggcata	agaaaatgcca	tgactgttagt	cagccatgcc	catggcc	aat	gattgagaaa	360
ttaccttgtg	ctgccttgac	tgaccgagaa	tgca	cttgcc	cacttgc	gttccagtct	420
aacgctac	gtgcccccca	tacggtgtgt	cctgtgggtt	gggg	gtgtgc	gaagaaaagg	480
acagagactg	aggatgtgcg	gtgtaa	ccagg	gtac	cttctc	agatgtgc	540
tctagtgtga	tgaaaatgcaa	agcatacaca	gactgtctga	gtc	agac	ggtgtgtatc	600
aagccggg	ccaaggagac	agacaacgtc	tgtggcacac	tccc	gttc	ctccagctcc	660
acctcac	cccctggcac	agccatctt	ccacgc	ccctg	agcacat	ttgaa	720
gtccctt	cacttatgt	tcccaaaggc	atgaact	ccaa	cagaat	ccaa	780
tctgttagac	caaaggta	ctgtatc	caggaa	agg	cgtcc	ctgtatc	840
tcagcaagg	ggaaggaa	ctgtaa	acc	ccctt	ccaa	acaccac	900
cagcaagg	cccacccac	acatcc	aagt	gtgc	gtgc	ggccacttgg	960
ggcgaga	ccagcacg	catcaagg	ccc	aaagg	gacat	ccctg	1020
cacaagg	atgtgacat	tttgat	ccct	ggat	ttgt	gttgc	1080
gtgcttgg	tgttgg	gtgc	atc	cgaa	ggact	tct	1140
ccccggc	atcc	ttgtgg	aagg	gggc	gggg	gggg	1200
acc	cagg	ttgtgg	aaagg	ccat	aaaa	aaaa	1260
cc	ccat	ttgtgg	aaagg	ccat	ttgt	ttgt	1320
tttctcc	aaat	ttgtgg	aaagg	ccat	ccgt	ccgt	1380
gc	gc	ttgtgg	aaagg	ccat	ccgt	ccgt	1440
gc	gc	ttgtgg	aaagg	ccat	ccgt	ccgt	1500
acc	cc	ttgtgg	aaagg	ccat	ccgt	ccgt	1560
agccccat	cc	ttgtgg	aaagg	ccat	ccgt	ccgt	1620
ttttcc	cc	ttgtgg	aaagg	ccat	ccgt	ccgt	1680
ttttcc	cc	ttgtgg	aaagg	ccat	ccgt	ccgt	1740
ttttcc	cc	ttgtgg	aaagg	ccat	ccgt	ccgt	1800
ttttcc	cc	ttgtgg	aaagg	ccat	ccgt	ccgt	1860
ttttcc	cc	ttgtgg	aaagg	ccat	ccgt	ccgt	1920
ttttcc	cc	ttgtgg	aaagg	ccat	ccgt	ccgt	1968

601848574F1. NIH_MGC_55 Homo sapiens cDNA clone IMAGE:4079202 5', mRNA sequence.

acaatggtat	agatttcaca	acacaaaaag	gacattggtg	gatgttactg	cacattttaa	60
attcttaaca	ctaattttatc	tgtataagtg	tttatatgc	tattttggga	cataaaacagt	120
ttatgtaaaa	ttagtaatga	atgatggcaa	cgaggggcact	gttatctcg	ttgttttcaa	180
tgatcattt	gcattcaatg	atggaacacgc	ttgtataaaca	taagtggtcg	gcatgaaaata	240
ttttagatcg	aaacttctgt	gccttgaaca	gaacttataat	cttagattct	ctctcacatt	300
ttctgtggag	ctgggggttga	ataggaacca	gatgatgttc	actgctgaaa	ttccataatg	360
cttcccattg	aagggaaagtg	agaaccagga	aagctgcttt	cacgtcatgt	gccatccagt	420
actgacaggg	aagaaaagatg	tagtttcca	gtagtgatga	atcacattat	gaattacatt	480
tcttcttaag	aagtaaaaac	tcagaatgt	ccatctgtgt	ttcccttcag	ttcattaaat	540
ggcatacataa	cagatgactt	gtgctaagtt	caatagagtt	accacatctt	ttactattat	600
gcaaaaatat	taactttaat	gaaccattgc	ttggacatga	tttcctatac	attaccattg	660
ggccgaatgt	gttggtcata	ctatcacgca	ctaaacctgg	gtgtttacac	ttggcaccgc	720
gcttcaccgg	gcataaggcg	gacaacggtc	ttaggcaaac	tcgggtcetc	gaaac	775

Homo sapiens clone PP1722 unknown mRNA.

gctgtgtggc ccaggctttt ctc当地actcc tgagggcaag cgatcctccc acctcagcct	60
cctgagtagc tgggactaca ggc当地gtgcc actagacctg gctctaaaga catatatgac	120
acacgaaacc atttattttt catttccaaa tgtttattca catatatggt attagtattc	180
taatgttagt atgcactcta aatttgccatt atatttccta gaacatctga acagagcata	240
ggaaattccc tattttgcca ttatcagttc taacaaaaat cttaaaaagca ctttatcatt	300
tcatattccct gcactgtaat ttttttaaat gatcaaaaac agtatacatac caaggcattac	360
ttatatttggaa atactattttt agaaaaggttt gggctgggtt gtatatttaaa atcttgttgg	420
tcagatgtct gcaatgagta aatttagcac catttcagg aagctttctc accaatgaca	480
acttcattgg aagattttaa tgaaaaggtaa gcatactcta gggaaaaaaat atgaatattt	540
tagcatctat gtattgaaaa ttatgttcaa taaatgtcag actatattttt acataaacgtt	600
gcttcgtttt aattttgtca cgttcagagg tggggggtag gagatgttaag cccttgcacag	660
caaaaataatt ccttttgctt gatttcagac agttcatca gctccttgc tctgtgttca	720
tgttacactt atttaggtgg ctgaatccac agaggagcct gctgggttcta atccccggaca	780
gtatccctgag gattccctaa gtgatggttt aaggccaaagg gaagtttttc ggaaccttcc	840
ttccccctgga tggaaaaaca tctcaaggcc tgaagctgcc cagcaggcat tccaaaggcct	900
gggtccctggt ttctccgggtt acacacccta tgggtggctt cagctttctt ggttccagca	960
gatataatgca cgacagtact :acatgcaata ttttagcagcc actgctgcata cagggcctt	1020
tgttccacca ccaagtgcac aagagatacc tgtgtctct gcacctgctc cagccccat	1080
tcacaaccag ttccagctg aaaaccagcc tgccaaatcg aatgctgctc ctcaagtgg	1140
tgttaatccct ggagccaaatc aaaatttgcg gatgaatgca caagggtggcc ctattgttga	1200
agaagatgat gaaataaaatc gagattgggtt ggattggacc tattcagcag ctacattttc	1260
tgttttctc agtatactct acttctactc ctccctgagc agattccctaa tggcatggg	1320
ggccaccggtt gttatgtacc tgc当地caagt tgggtggttt ccatttagac cgaggccgg	1380
tcagaacttc ccaaattgatg gtc当地ctcc tgacgttgta aatcaggacc ccaacaataa	1440
cttacaggaa ggc当地gtatc ctgaaaactga agaccccaac caccccttc cagacaggga	1500
tgtactagat ggc当地gaga ccagcccttc ct当地atgagc acagcatggc ttgtcttcaa	1560
gactttctttt gcctctcttc ttccagaagg ccccccagcc atcgcaaaact gatgggtttt	1620
gtgctgttagc tggggaggc tttgacagga atggactgga tcacctgact ccagctagat	1680
tgc当地ctccct ggacatggca atgatgagtt tt当地aaaac agtgtggatg atgatatgct	1740
tttggagca agcaaaaagca gaaacgtgaa gccgtgatac aaattgggtga acaaaaaaatg	1800
cccaaggcctt ct当地atgtctt tattctgaag agctttaata tataactctat gtattttaat	1860
aagcactgtt cgttagaaggc ct当地agggtt gcatgtctat gcttggagaa ct当地ccaaa	1920
tgtgtgtgtc tgc当地atgttg tttgtacata gaagtcatac atgc当地aaatg ggttctgctg	1980
gtacgatttg attccctgttg gaatgtttaa attacactaa gtgtactact ttatataatc	2040
aatgaaatttgc ttagacatgt tt当地aggca ctttctagg aaagacttat gtataattgc	2100
ttt当地aaaat gcagtgcttt actt当地aaact aagggaact tt当地ggaggt gaaaaccctt	2160
gctgggtttt ctgatcaata aagtttact atgaatgaca aaaaaaaaaaaa aaaaaaaaa	2217

Homo sapiens hypothetical protein FLJ11259, mRNA (cDNA clone MGC:8787 IMAGE:3925141), complete cds.

gcaaaaatcaa	acctgcttatt	tcagcactcc	tgttttaac	ttgggtgtctt	tagtgcttgg	60
attgggtggaa	tgtttcgaa	tgggcattgt	cgc当地	caggagtttag	ctgtgccagt	120
gtttcatgac	gggggcgc	cttggcctt	tgtctgtgtt	gtcgtgtaca	cgctcctaca	180
gtccatcatc	tcttacaaat	catgtcccc	gtggAACAGT	ctctcgacat	gc当地	240
gatggtcattc	tctgcgcgtt	cttgcgcgc	tgtcatcccc	atgattgtct	gtgcttcact	300
aatttccata	accaagctgg	agtggaatcc	aagagaaaaag	gattatgtat	atcacgtat	360
gagtgcgatc	tgtgaatgg	cagtggcctt	tggtttatt	ttctacttcc	taactttcat	420
ccaagatttc	cagagtgtca	ccctaaggat	atccacagaa	atcaatggtg	atatttgaag	480
aaagaagaat	tca	tcagtgaat	tcgcaggcc	tttctaaaag	tgctacagag	540
gacagacagg	gttttggaggc	caccctgatt	attgggatgc	atctgcagca	catccaggac	600
ttgaatttca	ttacgagttc	ctaatagttg	tatttctaaa	gatgtttct	agagaatgt	660
cagcctttag	acactgttagt	gatgtttta	taatttctt	atgatattt	tttatattaa	720
caaattcata	tacagaaaaaa	ataaggtgtt	acaaaaaaatg	gagagctt	atttttgtac	780
agattctgtc	gtttttttt	tatttgtgt	agatttatgg	aaatacacta	aatgagtaat	840
tcaggttcag	tacatttatt	acaaaagtgaa	atcaggggat	attcatttgc	aaattttattt	900
cttagtgaat	gaactgtata	attttttta	tcaggagagc	acttataaaa	tcoaatttat	960
aaagatcata	tacccaaatc	ataaaagattt	agttgataca	ttaaacactaa	gataactctga	1020
tttttagcca	aactaaacaa	agtgcattca	ctgagaggcc	tttataccac	catgtacagt	1080
aatttctaagt	gaatacggaa	gaccttgggt	ttgaaattct	gccaccttgc	tttccctgc	1140
tcatgagggtc	gcacccccc	ctcttgcgc	taattgccc	ttcttagtgg	gtgtatgco	1200
aggtggaaatg	gtttcaacaa	gtcaggtgaa	aaccatcctt	tattttgtct	ggcacaactt	1260
gatatatagt	ctgactcaga	actgaagctc	acatctcaaa	ttcatttcat	gccagtaat	1320
gtggcaaaga	gaagaaaaggc	ccaagagcga	gacaagaaga	atggagaagg	gggcagccaa	1380
gaagaacttc	tgggttcagg	gtactgttt	tttgcctt	ctcttcatgc	ctgtggctgg	1440
atgtcccaca	acactataag	aaatataagt	caagccctt	gtgttaagca	agaactacag	1500
actccatctt	ttcacccaaa	tcatgaatga	ccaataaaaa	gcaagttatt	ccagaggaag	1560
aagcagccct	tgaaaaataaa	ggcttaggct	tgaaaggtga	agagcaggaa	ttctctcttt	1620
caaattctag	agcataaacc	catgtgtggc	caagttagat	cagccctcaa	gggcacatgc	1680
caagggcaga	gcagccatg	tagacagctt	cgaggggcat	gggggtgtag	ggagttcggg	1740
gtagctcctc	attaactatt	tgttgggtga	gtaaaggggt	gaggctcaat	ggcaggtacc	1800
tctgcaatga	caagctgcct	ccccctctatg	tgttttagcat	atgttattag	aacatgtccg	1860
acacccctac	cgctgccatt	tggccctt	aataaagcca	atgagaaaa	tctggcaata	1920
aaaggcaat	gtaagcatgc	tttctttaag	acgcata	aatggtttc	tttaagtgaa	1980
tggaagagtt	tgacagagat	acacctttgt	aagaaaacat	taagaatgt	ggctggctgt	2040
ggtgtggctac	acctgttattc	ccagcactt	gggaggccct	ggcaggagga	ttgcttgagc	2100
ctgggacttc	gagaccagac	tgggaaacat	ggcaaaatcc	catctctaca	acaaaaatac	2160
aaaaattagc	caagtgcgtt	ggtgtgcctg	tagtcttagt	tacttggag	gctgagggtgg	2220
gagaatcacc	tgagcccagg	aggtggaggc	tgcagtgagc	catgccaatg	cactccagtc	2280
tgggcaacag	agtgagaccc	tgtctcaaaa	ataaataaaat	aaataaata	ataaagagaa	2340
tgctaattcca	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2388

tq65c10.x1 NCI_CGAP_Lu19 Homo sapiens cDNA clone IMAGE:2213682 3' similar to SW:ENPL_HUMAN P14625 ENDOPLASMIN PRECURSOR ;, mRNA sequence.

tttttttcc	tctactgcag	cttcatcatc	agattcttct	ttctcttctt	tggctgttc	60
ttcttcctcc	atgggctcct	caacagttc	agtcttgctg	ctccatacat	aaataggaaa	120
gttatgaac	tgtaatatt	ttttgacga	gattttaat	tgtatccaat	tcaaggtaat	180
cagatgcttc	ttctttaag	acaaggtaa	ttgtcggtcc	ccgtcttaga	gtgttctc	240
ttgggtcagc	aattacagaa	aattcattgg	agttagactc	ccagatgtgc	ttagtatcgt	300
tgttgtt	tgaagtgaca	ataacattat	ctgtacaaag	gaaggcgaa	tagaaaccga	360
caccaaactg	gccaatcaat	tcagaagttg	actggccatc	ttcctgtgt	tcaactt	420
tgtttaaaa	ctcggttgc	ccagatgg	ctatgttacc	aaggtttta	accactt	480
ctcggttatt	cctacaccgn	tgtctgtgac	atgcagcagg	ttcttcttct	tatcacactt	540
aattttgact	tgttagtctt	catttccaga	aagagcattt	tcatcagtc	gtgatattag	600
ccttatctta	tctaaagcat	aaaaagcaat	tgaaatcagt	tctctcaaga	aaatctt	660
atttttatac	aggaatttgg	gataggttca	tcattctgtt	aactccgtt	ggaaggcaac	720
ttttccgact	ctctctaagt	ctctaattgg	gagcattaaa	tcatcaactg	atagtttt	780
ctttctcgga	ctacttcata	tcccggccott	gactttctt	cttttccccca	aaccctttcc	840
ttgcccattcc	cataacttaa	ttgcagctt	accgaccgaa	gtaanaggac	ccaaaggccc	900
aaccccccagg	ccccttggg	tgccccggaa	attatcacct	ctaattcagg	cccccttggc	960
caatttgccc	gggccaaatc	ttattgggg	ttaaaaaaaaa	attttatgt	ttggggaaag	1020
ttccccccatc	cccaaaaaacc	ccggaaaagg	gaaggggggc	gttagggaa	caatattggc	1080
tcctcccton	cccaaaancc	ccgcctattt	aaaccggga	gggaaangtn	ttccctctcc	1140
tctcaccccn	c					1151

Homo sapiens phosphoserine aminotransferase (PSA) mRNA, complete cds.

ccttggctga	ctcacccccc	tcgcccggc	accatggacg	cccccaggca	gggtgtcaac	60
tttgggcctg	gtcccgccaa	gtccggc	ac	tcagtgtgt	tagagataca	120
ttagactaca	aaggagttgg	cattagtgtt	tttgc	aaatgttgc	aaaggaaatta	180
gccaagatta	ttaacaatac	agagaatctt	gtgcgggaa	tgctagctgt	tccagacaac	240
tataaggtga	tttttctgca	aggaggtggg	tgccggc	tcagtgtgt	ccccttaaac	300
ctcattggct	tgaaagcagg	aagggtgtcg	gactatgtgg	tgacaggagc	ttggtcagct	360
aaggccgca	aagaagccaa	gaagtttggg	actataata	tcgttccccc	taaacttggg	420
agttatacata	aaattccaga	tccaa	gacc	accatgtc	ctcctacgtg	480
tattattgc	caa	atgagac	gttgc	actttatacc	cgatgtcaag	540
ggagcgtac	tgg	tttgc	atgtc	ccaa	ggatgtttcc	600
aagtttgggt	tgat	tttgc	ttgtgc	aaatgttgc	gtctgttgg	660
gtgattgtcc	gtgat	gac	gttgggtt	gcc	gttcc	720
tacaagggtgc	agg	ctggaaa	cag	ccatgtt	cagcatctac	780
gtcatggc	tgg	tttgc	aaatggag	gtgc	ccatggagaag	840
cttagctcca	tca	aaatctca	aacaattt	at	aggattctac	900
gtgtctgtgg	gagg	catccg	gc	acaat	agacgtt	960
aagctggccg	c	ttcatgaa	aaaatttt	gagatgc	atctatgaac	1020
caggatatac	tctgttctt	aaca	acatac	aaat	gtaac	1065

Homo sapiens cDNA clone:ADBAPE04, 5'end, expressed in human adrenal gland..

aaagaaaactg	gttggttta	agaaaatagt	ttcaagaagt	tcaactatat	tcttttagat	60
attatgtatt	gttttactct	gattaggta	ctgtgatagg	catttattca	tattctttct	120
ataccactgt	cattaatata	ttaaaaagat	gtatgtgtta	gactatcgaa	agggccttat	180
tctctcttc	tcatagactg	accttctttt	ggaattctg	agtcatttat	tttccttagc	240
tttttccact	caaattaagg	gcaagcggaa	aagtaataat	tcggcattct	ttaagcctac	300
agaatgtgat	tcttcactt	ggtttattaca	ctggctcggt	gacagaacat	tttggaaaagt	360
gaaagattta	tttttgtaaa	agatttgtct	ttactttcg	aagcattatt	cttttaaaga	420
gtggtttact	tcaacgattg	aaacattttc	ctattaaaat	ttcattgtta	gaatcacagg	480
agcgcaaaaaa	tggAACGGTT	gattgaaatn	tactcttct	gtgaagaaaa	tcacagagtt	540
gttgcctcg	tgttagttgg	ggggccccgt	gcatggatgc	cttgccaat	gggttcatgt	600
gccacacaaa	gcaaacagat	ctgcatcgat	cgcaatttct	tgtgaacacg	gattgcgt	660
ccatatccct	ttgcaggatt	taaaatatTT	aaaatggcct	gccttgagtg	cgatgagcca	720
acttgcctac	tggactccac	ctgggtgacc	aat			753

wd68f02.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:2336763 3', mRNA sequence.

tttctgtaca atacacattt attgaggcact agatatatgc catgctagat gcaggtgacc	60
cagaggcatca aggagaata gtctggggc agagacacac acaatgtcac tgttatgtat	120
taaaggcagtc agcaatagat gcagctcagg gcactgtgg gatatccaga ggacacagtac	180
cttctgcctg tcagtcaggg agggagagga gcacaggctg aaggagactg gaagacagca	240
gttggcctct gatagtggga ctggagagag atttctaagg gccacttctt gtttcaggg	300
actaggttgg gctagatatg gggctcagga tggacaaggc ttagagccag gttggagaag	360
atgaaagagc attactagag gagtggggag gcctaggcta tgctcttac tctgccattg	420
actgcgtgat cttgggcagg ocatgttaacc tctcaggcgt gtgcactccc ttatttgtaa	480
aactagaggg ctgggccagc atgtttt	507

H.sapiens LU gene for Lutheran blood group glycoprotein.

agtctccgtc	gcccgcgtga	acatggagcc	ccggacgc	ccggccagg	cgcgcggggc	60
cccgccggct	ctgttgcgtc	cagtccgtc	ggcgccgc	ccagatgccc	aggcgagggt	120
gcgttgcgtc	gtaccccccgc	tggtgagggt	gatgcgagga	aagtctgtca	ttctggactg	180
caccctacg	ggaacccacg	accattata	gctgaatgg	ttccttaccc	accgctcg	240
agctcgcccc	cgcctacgc	cggtcgagat	gcagggtct	gagctccagg	tcacaatgca	300
cgacaccgg	ggccgcagtc	ccccatacca	gctgactcc	caggggcgc	tgggtgcgc	360
tgaggccca	gtggggcgc	agcgagacta	cgtgtgcgt	tgaggggcag	gggggcagg	420
caactgttag	gccactgcgc	ggctcaaacgt	gtttcaaag	ccagaggcca	ctgaggctc	480
ccccaaacaaa	gggacactgt	ctgtgtatgga	ggactctg	caggagatcg	ccacctgcaa	540
cagccggaa	gggaacccgg	ccccaaagat	cacgtgttat	cgcaacgggc	agcgcctgga	600
gttgccgt	gagatgaacc	cagaggcata	catgaccgc	cgcacgggt	gggaggcctc	660
gggcctgtc	tcctcacca	ccacccctcta	cctgcggctc	cgcaaggatg	accagacgc	720
cagcttccac	tgcgcggccc	actacagct	gcccggggc	cgccacggcc	gcctggacag	780
ccccaccc	cacccaccc	tgcactatcc	cacggagcac	gtcagttct	gggtgggcag	840
cccgccacc	ccagcaggct	gggtacgcga	gggtgacact	gtccagctgc	tctgcgggg	900
ggacggcagc	cccagccgg	agtatacgt	tttccgcott	caggatgagc	aggaggaagt	960
gctgaatgt	aatctcgagg	gaaacttgc	cctggaggga	gtgacccggg	gccaagagcgg	1020
gacctatggc	tgcagagtgg	aggattacga	cgcgcagat	gacgtgcagc	tctccaagac	1080
gctggagctg	cgcgtggct	atctggaccc	cctggagctc	agcgagggga	agggtcttc	1140
cttaccccta	aacagcagt	cagtcgtgaa	ctgctccgt	cacggcctgc	ccacccctgc	1200
cctacgctgg	accaaggact	ccactccct	ggcgatggc	cccatgctgt	cgctcagttc	1260
tatcaccc	gattccaat	gcacccatgt	atgtgaggcc	tccctgccc	cagtcccggt	1320
cctcagccgc	acccagaact	tcacgctgt	ggtccaaggc	tcgcccagagc	taaagacagc	1380
ggaaatagag	cccaaggcag	atggcagctg	gaggaagga	gacgaagtc	cactcatctg	1440
cctctccgc	ggccatccag	accccaaact	cagctggagc	caattgggg	gcagccccgc	1500
agagccaatc	cccgacggc	agggttgggt	gagcagctc	ctgacccctg	aagtgaccag	1560
cgcgcgtgc	cgcgtggca	tccctgtgt	agccctcaac	ccccacggg	acaagcgcca	1620
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cgtggccgtc	agcgtggcc	tccctgtct	cgtcgttg	gtcttctact	gcgtgagacg	1740
caaagggggc	ccctgtgc	gccagcggcg	ggagaagggg	gctccgcgc	cagggagacc	1800
agggtctgagc	cactccgggt	cgagcaacc	agagcagacc	ggccttctca	tgggaggtgc	1860
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cotagaggct	gtccctggac	ctggagctgc	aggcatcaga	gaaccagccc	tgcacgc	1980
atgccccccc	ccgccttccc	tccctccct	tccctctccc	tgcccagccc	tcccttcctt	2040
cctctgccc	caaggcagg	acccacagt	gctgcctgc	tccgggaggg	aaggagagg	2100
agggtgggtg	ggtgggaggg	ggccttcctc	cagggatgt	gactctccca	ggccccagaa	2160
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gtctgacact	ggattccccc	ccctcacccc	gcccctggc	ccactcctgc	ccccgcctca	2340
cctccgc	acccatcat	ctgtggacac	tggagtctgg	aataaatgt	gtttgtcaca	2400
tc						2402

Homo sapiens mRNA for calmegin, complete cds.

cgccggcggg	actggctgaa	agagacgcgg	ggacaaagtgc	caacgcactt	ggacatctga	60
gctgtcactg	ccgaaaacag	gccgcaagag	agataatcaa	tatgcatttc	caaggccttt	120
ggctatgtt	gggtcttctg	tcatctcaa	ttaatgcaga	atttatggat	gatgtatgtg	180
agacggaaga	ctttgaagaa	aattcagaag	aaattgtatgt	aatatgtatgt	gaactttct	240
cagagattaa	atataagaca	cctcaacccat	taggagaagt	atattttgc	gaaacttttg	300
atagtggaa	gttggctgga	ttgggtcttat	caaaagcaaa	gaaagatgac	atggatgagg	360
aaatttcaat	atacgatgga	agatgggaaa	ttgaagaggt	gaaagaaaaac	cagttacctg	420
gtgacagagg	actggatata	aatcttagag	caaagcatca	tgcaatatact	getgtattag	480
caaaccatt	cattttgc	gataaaaccct	tgatagttca	atatgaagta	aattttcaag	540
atggtattga	tttgtggaggt	gcatacattaa	aactcttagc	agacactgtat	gatttgattc	600
tggaaaactt	ttatgataaa	acatcctata	tcattatgtt	tggaccagat	aatatgtggag	660
aagattataa	acttcatttt	atcttcagac	ataaacatcc	caaaactgg	gttttgcgaa	720
agaaaacatgc	caaacctcca	gatgttagacc	ttaaaaaagtt	ctttacagac	aggaagactc	780
atctttatac	ccttgcgtat	aatccagatg	acacatttg	ggtgttagtt	gatcAACACAG	840
ttgttaaaca	aggaagcctc	ctagaggatg	tggttccctcc	tatcaaacct	ccccaaagaaaa	900
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cttctgcgcgt	caaaccagaa	gactggatg	aaagtgaacc	tgcccaata	gaagattcaa	1020
gtgttgttaa	acctgcgtgc	tggcttgatg	atgaaccaaa	atttatccct	gatcctaatg	1080
ctgaaaaac	tgtactgg	aatgaagaca	cggatggaga	atggggggca	cctcagattc	1140
ttaatccagc	atgtcggtt	gggtgtgggt	agtggaaacc	tcccatgata	gataacccaa	1200
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gtcctcgaaa	aattcttaat	ccagattatt	tcgaagatga	tcatccattt	cttctgactt	1320
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aaataatgt	agcaaatgt	aataagcccg	gtgtattaaa	acagttatgt	gcagctgctg	1500
aagggcaccc	atggcttgg	ttgattttatc	ttgtgacagc	aggagtgcca	atagcattaa	1560
ttacttcatt	ttgttggcca	agaaaaagtaa	agaaaaaaaca	taaagataca	gagtataaaa	1620
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aagcagccct	ggaaaaacca	atggacctgg	aagaggaaaa	aaagcaaaat	gatgtgaaa	1740
tgcgtttaaaa	agaagaggaa	agtgaaccc	aggaaaaagag	tgaagaagaa	attgaaatca	1800
tagaagggca	agaagaaaagt	aatcaatcaa	ataagtctgg	gtcagaggat	gagatgaaag	1860
aagcagatga	gagcacagga	tctggagatg	ggccgataaa	gtcagtagc	aaaagaagag	1920
tacgaaagga	ctaaactaga	ttgaaatatt	ttaattccc	gagaggatgt	ttggcattgt	1980
aaaaatcagc	atgcccagacc	tgaactttaa	tcagtcgtca	cattctgttt	ctaataatcta	2040
gcaacattat	attcttcag	acatttattt	tagtccttca	tttccgagga	aaaagaagca	2100
acatttgaagt	tacccatct	ttgaattttag	aataaaagtgc	gcacattaca	tatcgatct	2160
aagagattaa	taccattaga	agttacacag	ttttgttgc	ttggagatag	ttttgggttg	2220
tacagaacaa	aataatatgt	agcagcttca	ttgcttgc	aaaaatcagt	tattggaaatt	2280
tccacttaaa	ttgtatataca	acaatataac	ttgtgttct	ataataaaaa	tgagcatatg	2340
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agttgtttgc	ttaaattata	gattccttta	aggacatgcc	ttgttcataa	aatcactgg	2520
ttatattgc	gcatatttta	catttgaata	caagataat	gggttttac	aaaacaaaaat	2580
gatgtacaga	tttttttca	agttttata	gttgcattt	gccagagtgg	tttacccat	2640
tcacaaaaatt	tcttatgc	acattgcata	tgaaaataaa	atttaaatata	tttttcatcc	2700
tgaaaaaaaaaa						2710

wx78h04.x1 NCI_CGAP_Ov38 Homo sapiens cDNA clone IMAGE:2549815 3', mRNA sequence.

agcaatttga atcatttctt gaaaaacaaa cacagacaaa caccacat ggagttggtg	60
ccggcgccg ggcataaggg cagcacccca cgggtggctg tgcggggggc cgctgggtgt	120
ggccggggccc tgtgtgcctg tgcaggggcc cagtcctcg gggactggcc caagaccccc	180
cactcagcgg gctgagccaa tgccctggccg agagggggcc gcagccagca ggcttgggtg	240
gctgcccgcg cccgcagggg acatcggggaa aatgggggca gagtgccggga cccacacgct	300
gcctgaggag tcttggcagg gtggacaggc ctgggggtct ctaccagcaa tgcaataaat	360
atgcaaatcc aagcacagaa agaccaagcg cagacccac gggcgcacga ggcccagccc	420
agttcctgcg ggcacggca ccaccggctc ttcacagacc aggagt	466

Human CD9 antigen mRNA, complete cds.

cgcgcccccc	agtcccgcac	ccgttcggcc	caggctaagt	tagccctcac	catgccggtc	60
aaaggaggca	ccaagtgcat	caaatacctg	ctgttcggat	ttaacttcat	cttctggctt	120
gccgggattt	ctgtccctgc	cattggacta	tggctccgat	tgcactctca	gaccaagagc	180
atcttcgagc	aagaaactaa	taataataat	tccagcttct	acacaggagt	ctatattctg	240
atcggagccg	gcgcctcat	gatgctggtg	ggcttcctgg	gtgtctgcgg	ggctgtgcag	300
gagtcccagt	gcatgctggg	actgttcttc	ggcttcctct	tggtgatatt	cgcattgtgaa	360
atagctgcgg	ccatctgggg	atatcccac	aaggatgagg	tgattaagga	agtccaggag	420
ttttacaagg	acacctacaa	caagctgaaa	accaaggatg	agccccagcg	gaaaacgctg	480
aaagccatcc	actatgcgtt	gaactgctgt	ggtttggctg	ggggcgttgg	acagtttattc	540
tcagacatct	gccccaaagaa	ggacgtactc	gaaaccttca	ccgtgaagtc	ctgtcctgtat	600
cccatcaaag	aggtcttcga	caataaaatc	cacatcatcg	gcccgtgggg	catccgcatt	660
gccgtggtca	tgatatttgg	catgatcttc	agtagtatct	tgtgctgtgc	tatccgcagg	720
aaccgcgaga	tggcttagag	tcaacttaca	tccctgagca	ggaaagtttta	cccatgaaga	780
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tcttttaatg	tttcattcaa	tattgacatt	tgttagttgag	cgggggggttt	ggtttgcttg	960
gtttatattt	ttcagttgtt	tgtttttgc	tgtttatatta	agcagaaaatc	ctgcaatgaa	1020
aggtactata	tttgcttagac	tctagacaag	atattgtaca	taaaaagaatt	tttttgcattt	1080
taaatagata	caaatgtcta	tcaactttaa	tcaagttgta	acttatatttgc	aagacaattt	1140
gatacataat	aaaaaattat	gacaaatgaaa	aaaaaaaaaa	aaaaaaaaaaa	gg	1192

Homo sapiens cDNA clone:HEMBA1001328, 3' end, expressed in whole embryo,

gtagcctta tttactaaa catttatttgc ttcttagaa ataagcgctt tcctaatttc	60
aagcaattat aaaagaactg ctgttttctt ccacactcac ttgccagagg gtcgaattgg	120
aagtccata tatgtctatg aacggaaggtaaaa ttcaacatga agatgaaatt	180
ctgaactttc ctagataat taacattgtcttgaaat attcagatgc tgcttaataa	240
cttcggtaaa cactggtaa gattcatgaa acttagaaaa aagctgtatg aactgcttta	300
ccaaatatca ctactgagga aatgtataaa ataccacata gtataaaatt acatgttaat	360
ccaatgccag attttaaata aaggaccta agtttcctc aagggggaaag ttatgggt	420
cnnccccnt ntcnaggc caaaaanttc ccaaggaaac caggtagnaa gctcttnaaa	480
ggccgcaaaa t	491

Homo sapiens 7-dehydrocholesterol reductase, mRNA (cDNA clone MGC:1760 IMAGE:3507516), complete cds.

gtggaggcagc ggcgcgaagc gaggccaggg gaagggtggc gcaggactt agccgggttga	60
gaaggatcaa gcaggcattt ggagcacagg tgtctagaaa ctttaaggg gcccgttcaa	120
gaaggaaaag ttecccttctg ctgtgaaact atctggcaag aggctggagg gcccaatggc	180
tgccaaatcg caacccaaca ttcccaaagc caagagtcta gatggcgta ccaatgacag	240
aaccgcacatc caaggcagt gggggcgtgc ctggaggtg gactggttt cactggcgag	300
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ccagtagcgc tgccgcctga ccggccctgt ggtggacatc gtcaactggac atgctggct	420
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gtgggtcacc ttccaggtgc ttctgtacac gtctctccct gacttctgcca ataatgttct	540
acccggctac gttaggaggca tccaggaggg ggcgtgact cctgcagggg ttgtgaacaa	600
gtatcagatc aacggcctgc aagoctggct cctcacgcac ctgctctggt ttgcaaacgc	660
tcatctcctg tcctggttct cgccccacat catttcgac aactggatcc cactgctgtg	720
gtgcgcacac atcctggct atgcgcgtc caccttcgac atggtaagg gctacttctt	780
ccccaccacgc gccagagact gcaaaattcac aggcaatttc tttacaact acatgatggg	840
catcgagttt aaccctcgga tcgggaaagt gtttacttc aagctgttct tcaatggcg	900
ccccggatc gtcgcctgga ccctcatcaa cctgtccttc gcagcgaagc agccggagct	960
ccacagccat gtgaccaatg ccatggctc ggtcaacgtc ctgcaggcca tctacgttat	1020
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cgggtggtaa ctgggctggg gcgactgtgt ctggctgcct tatcttaca cgctgcagg	1140
tctgtacttg gtgtaccacc ccgtgcagct gtccaccccg cacggcgtgg gcgtcctgt	1200
gctgggcctg gtgggctact acatcttcg ggtggccaac caccagaagg acctgttccg	1260
ccgcacggat gggcgtgccc tcatctgggg caggaagccc aaggctatcg agtgcctta	1320
cacatccgccc gacgggcaga ggcaccacag caagctgtg gtgtcggct tctggggcgt	1380
ggcccgccac ttcaactacg tcggcgcacct gatggcgc gtcgcctact gcctggcctg	1440
tggggggggc caccgtgtc cttacttca catcatctac atggccatcc tgctgaccca	1500
ccgtgcctc cgggacgagc accgtgcgc cagcaagtac ggcgggact gggagcgcta	1560
caccggcga gtgccttacc gcctgtgtcc tggaatcttca taagggcacg ccctaggag	1620
aaggccctgtg gggctgtcaa gagcgtgttc tgccagggtcc atggggctg gcatcccagc	1680
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ggtgtccagt acctaattcac gctttgcct tcaagggaaat tccgagtgtc cagcaactgccc	1800
gtattgcccac cacagacgga ttttctctaa tcagtgtccc tggggcagga ggatgaccca	1860
gtcaccttta ctgtccctt ggagacaatt tacgttattt agggccag gcccgcgtac	1920
actctgcaca cactgtgtgag caggaggctt tcccacgccc tgcatttgc ctgcatttac	1980
tcttgcataa taaaagtggg agtggggcgt ggcgttatac catgtattgc cttcagctc	2040
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cttcctgcctc ctgtgcaca gtcgcaggaa gtgcgttgc tggagtctgc agacctcaga	2220
gagggtcccaag cactgtgtt ggcctttcag gtgtaggcag gtcggctctg cttcccgatt	2280
ccctgtgagc gcccaccctc tcgaaagaat ttctgtcttgc ccctgtact gtgcagactc	2340
tggctcgagc aaccggggaa acttcaccct cagggcctc ccacaccctc tccagcgagg	2400
agggtctcagt cccagcctcg ggagggcacc tcctttctg tgcttcttc cctgaggcat	2460

tcttcctcat ccctagggtg ttgtgtagaa ctcttttaa actctatgct ccgagtagag	2520
ttcatcttta tattaaactt cccctgttcaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaa	2580
aaaaaaaaaaa aaaaaaaaaaaa aaaaaaaaaaaa aaaa	2614

Homo sapiens squalene epoxidase (ERG1) mRNA, complete cds.

ctggtctgat cggaacctc gtcctggac acagttact ggagtctggc cggtctccg	60
tgctccctt ggtacctcat tttggggaga accttaaacc cactcgagca gataatctcc	120
gccttgcacgg gtgcaccaa agaaggcctt gaaccatgt gactttctg ggcattgcca	180
ctttcaccta ttttataag aagttcgggg acttcatcac ttggccaaac aggaggtcc	240
tgttgtgcgt gctgggttcc ttcctcgctt ggcttggct ctccatccgc tgcgcacc	300
gaaacggggg ttcctcgccc cgccagcaga gcggctccca gttcgccctc ttctcgata	360
ttctctcagg ctcgccttc attggcttct tctggccaa atccccccctt gaatcagaaa	420
ataaggagca gtcgaggccc aggaggcgcga gaaaaggAAC caatatttca gaaacaagct	480
taataggaac agtcgcctgt acatcaacat ctttcagaa tgacccagaa gttatcatcg	540
tgggagctgg cgtgcgttgc tctgccttgg cagctgtctt ttccagagat ggaagaaagg	600
tgacagtcat tgagagagac taaaagagc ctgcacagaat agttggagaa ttctgcagc	660
cgggtgttta tcattttctc aaagaccttgc gtcttggaga tacagtggaa ggtttgtatg	720
cccagggtgtt aaatggttac atgattcatc atcaggaaag caaatcagag gttcagattc	780
cttaccctct gtcagaaaaac aatcaagtgc agagtggaa agctttccat cacggaaagat	840
tcattcatgag tctccggaaa gcagctatgg cagagccca tgcaaaagttt attgaaggtg	900
ttgtgttaca gttatttagag gaagatgttgc ttgtgtatgg agttcagttc aaggataaag	960
agactggaga tatcaaggaa ctccatgc cactgactgt tttgcagat gggctttct	1020
ccaagttcag gaaaaggctg gtctccaata aagttctgt atcatctcat tttttggct	1080
ttcttatgaa gaatgcacca cagttaaag caaatcatgc tgaacttatt ttagctaacc	1140
cgagtccagt tctcatctac cagatttcat ccagtggaa tcgagttact gttgacatta	1200
gaggagaaat gccaaggaaat ttaagagaat acatggttga aaaaatttac ccacaaatac	1260
ctgatcacct gaaagaacca ttctttagaa ccactgacaa ttctcatctg aggtccatgc	1320
cagcaagctt cttcccttcc tcattcgttga agaaacgagg tttttttt ttgggagacg	1380
catataatat gaggcatcca ttactgggtt gaggaaatgac tttttttt aaagatataaa	1440
aactatggag aaaactgcta aagggtatcc ctgaccccttta tgatgtatgc gctatcc	1500
aggccaaaaaa atcattttac tgggcaagaa aaacatctca ttcccttgcgt gtaatatcc	1560
ttgctcaggc tctttatgaa ttatcccttgc ccacagatga ttccctgcatt caactaagaa	1620
aaggctgttt tctttatccaa aacttgggtt gcgaaatgtt tttttttt gttggctgc	1680
tttctgtatt gtctccataac cttcttagtt taattggaca ttcccttgcgtt gttcaatct	1740
atgccgtgtt tttttttt aagtcagaac cttggattac aaaaacccgc gcccctctca	1800
gtatgtgtt tttttttt aagtcgttgc ttgtatatt ttccctgcatt tactcagaaaa	1860
tgaagtatata gtttcatcaa gttttaaggaa gttttaaggaa tttttttt tttttttt	1920
accaagtcctt aagagacttt tggaaagagga tatataatgc atagttaccat accactata	1980
aagtggaaac tcttggacca agatttaggtt taattttttt ttggaaat tttttttt	2040
atatgttaat acatgcttta atttgcattttaaaaatgaa gggtaataa agtttagacat	2100
ttaaaaagaaa tgatttttac cataaaatttttgc gttttttt gggagaact acagtttttcc	2160
ttttttttt agtatttttttgc atgagtttttgc gggacatgc	2199

Homo sapiens keratin 23 (histone deacetylase inducible), transcript variant 1, mRNA (cDNA clone MGC:26158 IMAGE:4838347), complete cds.

agggggaaat	cctgagcgca	ggccagggtt	gtttgggttt	gagggtgtgct	gggatgaaag	60
gcaccctgga	agtggaaagg	aatgagcaa	tggaaaaact	tcacggcaag	attagaaaaga	120
tacctgagcc	caatacccgc	ctgatgtcg	gggccacacc	tccgggttac	caggggaagg	180
gaggaagcaa	actgtcatat	tgatgtggct	ctaaacaca	acagtgtcg	aaggcccagg	240
ggcactttgg	gattgaccaa	gaggaacac	aagttgcaca	atgatacaat	cttgttggta	300
caattgtcag	agaaggaaac	tcccacagca	aaggccataa	aaccatccag	ggcagtcgt	360
ggcggctcag	ttctgcggtg	ccagggagtg	gagcagact	cagccccgtc	ccaaacacag	420
atgggaccat	gaactccgga	cacagcttca	gccagacccc	ctcgccctcc	ttccatggcg	480
ccggagggtgg	ctggggccgg	cccaggagct	tccccagggc	tcccaccgtc	catggcggt	540
cgggggggagc	ccgcattctcc	ctgtcattca	ccacgcggag	ctgcccaccc	cctggagggt	600
cttgggggtc	tggaagaagc	agccccctac	taggcggaaa	tgggaaggcc	accatgcaga	660
atctcaacga	ccgcctggcc	tcctacgtgg	agaaggttcg	cgccctggag	gaggccaaca	720
tgaagctgga	aagccgcatac	ctgaaatggc	accagcagag	agatcctggc	agtaagaaaag	780
attattcaca	gtatgaggaa	aacatcacac	acctgcagga	gcagatagt	gatggtaaga	840
tgaccaatgc	tcagattatt	cttctcattt	acaatgccag	gatggcagt	gatgacttca	900
acctcaagta	tgaaaatgaa	cactcctta	agaaaagactt	gaaaattgaa	gtcgagggccc	960
tccgaaggac	cttagacaac	ctgaccattt	tcacaacaga	cctagaacag	gaggtggaaag	1020
gaatgaggaa	agagctcatt	ctcatgaaga	agcaccatga	gcaggaaatg	gagaagcattc	1080
atgtgccaag	tgacttcaat	gtcaatgtga	aggtggatac	gggtccagg	gaagatotga	1140
ttaaggtcct	ggaggatata	agacaagaat	atgagcttat	aataaaagaag	aagcatogag	1200
acttggacac	tttgtataaa	gaacagtctg	cagccatgtc	ccaggaggca	gccagtccag	1260
ccactgtgca	gagcagacaa	ggtgacatcc	acgaactgaa	gfcacattc	caggccctgg	1320
agattgacct	gcagacacag	tacagcacga	aatctgttt	ggaaaacatg	ttatccgaga	1380
cccagtctcg	gtactcctgc	aagctccagg	acatgcaaga	gatcatctcc	cactatgagg	1440
aggaactgac	gcagctacgc	catgaactgg	agcggcagaa	caatgaatac	caagtgtcgc	1500
tgggcatcaa	aacccacctg	gagaaggaaa	tcaccacgt	ccgacggctc	ctggagggag	1560
agagtgaagg	gacacgggaa	gaatcaaagt	cgagcatgaa	agtgtttgca	actccaaaga	1620
tcaaggccat	aacccaggag	accatcaacg	gaagattag	tctttgtcaa	gtgaatgaaa	1680
tccaaaagca	cgcacgac	caatgaaagt	ttccgcctgt	tgtaaaatct	atttcccccc	1740
aaggaaagtc	cttgacacaga	caccagttag	ttagttctaa	aagataccct	tggaattatc	1800
agactcagaa	acttttattt	ttttttctg	taactgtctc	accagacttc	tcataatgt	1860
cttaatatat	tgcacttttc	taatcaaagt	gcgagttat	gagggtaaag	ctctactttc	1920
ctactgcac	cttcagattc	tcatcatttt	gcatctattt	tgtagccat	aaaactccgc	1980
actaqaaaaa	aaaaaaaaaa	aa				2002

Homo sapiens translocon-associated protein gamma subunit mRNA, complete cds.

cctttgcccg	cttggcggcc	ggctctacgt	tccctgttct	cgcctgcagc	tccgcccattgg	60
ctcctaaagg	cagctccaaa	cagcagtctg	aggaggacct	gtcctgcag	gatttcagcc	120
gcaatctctc	ggccaagtcc	tccgcgtct	tcttcggaaa	cgcgttcatc	gtgtctgcca	180
tccccatctg	gttatactgg	cgaatatggc	atatggatct	tattcagtct	gctgttttgt	240
atagtgtat	gaccctaga	agcacatatt	tggtagcctt	tgcataacaag	aatgtgaaat	300
ttgttctcaa	gcacaaaatg	gcacagaaga	gggaggatgc	tgtttccaaa	gaagtgactc	360
aaaaactttc	tgaagctgat	aatagaaaaga	tgtctcgaa	ggagaaaagat	gaaagaatct	420
tgtggaaagaa	gaatgaagtt	gctgattatg	aagctacaac	attttccatc	ttctataaca	480
acactctgtt	cctggcgtg	gtcattgtt	cttcottctt	catattgaag	aacttcaacc	540
ccacagtgaa	ctacatattg	tccataagtg	cttcatcagg	actcatgcgc	ctcctgtcta	600
ctggctccaa	atagaccatg	tcagcttac	ccccctggctt	tgtgtctatg	ggggccctgt	660
ggtatatgga	aaagttagcag	gggtggtcagg	gtgggagaca	caagatgttt	ttatagtcta	720
gagcccttaa	aaaaccccagc	agaatgtaat	tcagtttttg	tttattggct	gttttttgac	780
agattgtga	aattaaatga	attgaaaaggg	aaactcagag	tactaggacg	tttattaaaaa	840
ggaaaaaaaat	gtcttgcatt	gtgctgtat	cacaagagga	aaaataact	tgtttccctt	900
atctgtcaga	ggtcacagta	acctggcccg	agctgttatt	atttattata	taatagtatg	960
agaagttaa	taactggttc	tctgtgttcc	aagcacaata	ttacaactc	tttgaacccg	1020
taaatatca	aatgaatcct	cttcccaggg	gattgaacag	aagcttaatg	tttacaagtg	1080
tttgaatttg	tgatctgaaa	taacacaaaa	ttaaaaacat	gatttctct	atttccaaac	1140
tagaggagag	agacttgtgg	aaaagttctt	tttttcttctt	tttttttctt	taaagaaggg	1200
cagccaaagg	agtaacctaa	aaatagtgcc	caggcatatg	agagttgtcc	tacgaggta	1260
aaaaacacac	tgttccactg	tatggcttgc	gcctgagttgg	ccagggaggt	caacttgacc	1320
ctgcccattt	ggtttgcatt	actaagacac	aggaatcatt	tttttccctt	accagggtct	1380
cacaccctgg	aggaatgtta	agtaagagaa	agaaccttctt	tcctgaatat	tgacatgtaa	1440
aagacccaaag	taatttttct	gaacttctgc	aattctgaga	actctccaag	gaatttacag	1500
tgatTTTGT	gcttgcagc	attttccat	gaggacttgc	atacatttg	ctcttttagtt	1560
cacagggtcc	cattgattgt	gagcaagata	tttatcttctt	tagcccttgg	gatccagctg	1620
agagcaatct	cttgcatTTT	tttacccgtg	tatgtacaga	tatcatttct	tgtgtatgcc	1680
atgacttgaa	aaagtttggg	aagcttctta	gcaatatcag	ctaaaaggat	atgaaatcac	1740
aggtgatagc	agttgtcatt	cagtaatttc	ctacaagcag	caccccaaaag	gaaatatagt	1800
cctaattttt	actatccact	tctaaattta	atgtgaattt	catacatgtt	attagttgtt	1860
ttctttataaa	tttttataaaa	attattcatc	gggagtttaa	cttccacttc	catgctatcg	1920
gatgtgttgg	gctccatgca	agaacttgg	agaaaaacag	gcaggaatgc	atttgcataa	1980
tgacccagat	catcattttc	tgcaactgag	aattatattt	catcattgtc	tctagaagtc	2040
tgcaatttctt	tacTTTCTT	ttggtgcatta	ttatcttaggt	gccatcactg	gataatgtgg	2100
agtgactaga	gaagtcatat	atcaactgtaa	ggtacagttt	gggtaaacact	tttagaggTTT	2160
attattttta	aaaaactttt	cttgaactcc	tggccaacat	ggtaaaaccc	cgtctctact	2220
aaaaataacca	aaatttagcca	ggcgtgtatgg	tgggtgcctg	taatctcagc	tacttggag	2280
gctgaaggcag	gagaactgcc	tgaaccccagg	aggcagaggt	tgcaagtgg	cgagatcg	2340
ctactactgc	ctgggtggca	agggtgagac	tccatctcaa	aaaagaaaca	aaaaaacc	2400
aaaagttttc	tttactgttg	tttaaaaaaaa	aaagccagac	catagtttgc	ctgggtggcat	2460
ggaatttgg	tatcaaataa	atgcatttgc	ttatttgcaca	aaccatcgt	gtccactatt	2520
tgttaccaga	gttggccac	tatTTTAA	aattgctgg	aaaacttgc	cactagatgg	2580
atgtctgtat	agatggggaa	aaaattgcca	ccatttctgg	tataatacag	tgttagcttag	2640
atgaggtgg	gaaatagggg	tatcagccga	atattcctaa	tatagtttct	tttgcattaa	2700
taaactgaag	atTTGAGGA	aaatgagtg	gcaaaaatttg	tttactgttg	tgaatttttc	2760
ctacagca	gttttaatc	ttggtgg	tttcttct	gtactaata	atacatttct	2820
gtgcataaga	ttataaaagca	tatactcaca	gttcagttgt	tttcgttaag	gatttactgt	2880
gtgagttactt	tactgtgagg	aattgcagaa	cctttcccc	tctacttgc	tctaaaagtt	2940
ctgtgtggca	cacagagatg	cgacctactc	aatctgactt	agtaaaacca	tgctgttagaa	3000
tttttgcatt	aaaaagacca	cataccccc	acccatgaaa	taaaagattc	atctgtaaaa	3060
	a					3061

Homo sapiens malic enzyme 1, NADP(+)-dependent, cytosolic, mRNA (cDNA clone MGC:39115 IMAGE:4870714), complete cds.

gtcaccccccag	cagcatccgc	cgcctgcacc	gcgccgtgcgg	cccgccccgg	cctgaccccg
ccgcccgaacc	ccgcgcgccg	catggagccc	gaagcccccc	gtgcgcgcca	cacccatcag
cgccggctacc	tgcgtacacg	gaaccctcac	ctcaiaacaagg	acttggcctt	taccctggaa
gagagacagc	aattgaacat	tcatggattt	ttgcccacctt	ccttaaacag	tcaggagatc
caggttctta	gagtagtaaa	aaatttcgag	catctgaact	ctgactttga	caggtatctt
ctcttaatgg	atctccaaga	tagaaatgaa	aaactctttt	atagagtgt	gacatctgac
attgagaaaat	tcatgcctat	tgtttatact	cccaactgtgg	gtctggcttg	ccaacaatat
agtttggtgt	ttcgggaagcc	aagaggcttc	tttattacta	tccacatcg	agggcatatt
gcttcagttc	tcaatgcatg	gccagaagat	gtcatcaagg	ccatttgtgg	gactgtatgga
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gatgtgggaa	ccgaaaaatga	ggagttactt	aaagatccac	tctacattgg	actacggcag
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cgtctcttgc	acaagtatcg	aaaccaggat	tgcacattca	atgatgatat	tcaaggaaca
gcatctgttgc	cagttgcagg	tctcatttgc	gtctttcgaa	taaccaagaa	caaactgtct
gatcaaaacaa	tactatttca	aggaggttgg	gaggctgccc	tagggatttgc	acacacttgcatt
gtgtatggcct	tggaaaaaaga	aggtttacca	aaagagaaaaag	ccatcaaaaaa	gatatggctg
gttgatttcaa	aaggattaat	agttaaaggga	cgtgtttccct	taacacaaga	gaaagagaaaaag
tttgccttgc	aacatgaaga	aatgaagaaac	ctagaagcca	ttgttcaaga	aataaaaacca
actgccttca	taggagttgc	tgcaatttgg	gggtgcattct	cagaacaaat	tctcaaagat
atggctgcct	tcaatgaacg	gccttattatt	tttgcatttgc	gtaatccaac	tagcaaagca
gaatgttctg	cagagcagtgc	ctacaaaata	accaagggac	gtgcatttt	tgccagtggc
agtcccttttgc	atccagtcac	tcttccaaat	ggacagaccc	tatatcttgc	ccaaggcaac
aattccatgt	tgttccctgg	agttgtctt	gggtgttgcgg	cgtgtggatt	gaggcagatc
acagataata	ttttcctcac	tactgtcgag	gttatagctc	agcaagtgtc	agataaaacac
tttggaaagagg	gtcggttttgc	tcctcccttg	aataccatta	gagatgttgc	tctgaaaatt
gcagaaaaaga	tttgaaagaga	tgcataccaa	gaaaagacag	ccacagtttgc	tcctgaaccg
caaaaacaaaag	aagcatttgt	ccgctcccccag	atgtatagta	ctgattatgc	ccagattcta
cctgattgtt	attcttggcc	tgaagagggt	cagaaaatac	agacccaaagt	tgaccaggtag
gataatagca	aacatttcttgc	actctattaa	ttaggtcttt	aaaccccttca	taatttttaa
aggttggaaat	cttttataat	gattcataag	acacttagat	taagatttttgc	ctttaacagt
ctaaaaatttgc	atagaagaat	atcgatataa	attgggatataa	acatcacatgc	agacaaaaaaa
aaaaaaaaaaaaaa	aa				

Homo sapiens livin inhibitor-of-apoptosis (LIVIN) mRNA, complete cds.

ccctgggata	ctccccctccc	agggtgtctg	gtggcaggcc	tgtgcctatc	cctgctgtcc	60
ccagggtggg	ccccgggggt	caggagctcc	agaaggcga	gctgggcata	ttctgagatt	120
ggccatcagc	ccccatttct	gctgcaaacc	tggtcagac	cagtgttccc	tccatggac	180
ctaaagacag	tgccaagtgc	ctgcaccgtg	gaccacagcc	gagccactgg	gcagccgggtg	240
atggtcccac	gcaggagcgc	tgtggacccc	gctctctggg	cagccctgtc	ctaggcctgg	300
acacctgcag	agcctggac	cacgtggatg	ggcagatcc	ggggcagctg	cggccctgt	360
cagaggagga	agaggaggag	gggcgggggg	ccaccttgc	cagggggcct	gccttccccg	420
gcatgggctc	tgaggagttg	ogtctggct	ccttctatga	ctggccgctg	actgctgagg	480
tgccacccga	gctgtggct	gtgccggct	tcttccacac	aggccatcg	gacaagggtga	540
ggtgcttctt	ctgctatggg	ggcctgcaga	gctggaaagcg	cggggacac	ccctggacgg	600
agcatgcca	gtggttcccc	agctgtca	tctgtctcc	gtcaaaagga	agagactttg	660
tccacagtgt	gcaggagact	oactcccac	tgctggctc	ctgggacccg	tggaaagaac	720
cggaagacgc	agcccctgtg	gccccctccg	tccctgcctc	tgggtaccc	gagctgccc	780
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ccatcgtctt	tgtgcctgtc	ggccacctgg	tctgtgtga	gtgtgcccc	ggcctgcagc	960
tgtgccccat	ctgcagagcc	cccgccggca	gccgcgtgcg	cacccicctg	tccttaggcca	1020
ggtgccatgg	ccggccagg	gggctgcaga	gtgggtccc	tgcccccttc	tgctgttct	1080
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cctgattccc	cgaccacccgc	ccagggtgga	gaaggaggcc	tttgttggc	gtggggatg	1200
gcttaactgt	acctgtttgg	atgcttctga	atagaaataa	agtgggttt	ccctggaggt	1260

Homo sapiens drebrin 1, transcript variant 1, mRNA (cDNA clone MGC:1517
IMAGE:3356428), complete cds.

cgcaggccggc	ggcgccgact	cccttttcc	ctcccttcctc	ctccgtccgc	ccgtccgtcc	60
gcccgtctgt	ccgttcggcc	cggtccggcc	cgaagcatgg	ccggcgtag	cttcagcgcc	120
caccgcctgg	agctgtggc	ggcttacgag	gaggtgatcc	gagaggagag	cgccggccgac	180
tgggtctgt	acacatatga	agatggctcc	gatgaccta	agttgcagc	atcaggagaa	240
gggggttgc	aggagcttc	gggacactt	gagaaccaga	aggtgatgt	cggttctgc	300
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gtatgtgcctg	atgcccaca	gtgcgttgt	gccagccacg	tggctaaggt	ggcagagttc	420
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cggctgcag	aggatgagaa	cgcagagccc	gtggccacca	cctaccagaa	gacggatgca	600
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gagcagcaga	tcgaggagca	caggagaaaa	cagcagactt	tagaagcgga	agaggccaag	840
aggcgggttgc	aggagcagtc	tatcttgc	gaccatcggg	atgaggagga	agagaccac	900
atgaagaagt	cagagtgg	gttggaggag	gcagcagcta	ttattgc	gcgcctgac	960
aacccaagg	agttttcaa	gcagcaggaa	agagtgc	cggcctctgc	ggcagctgt	1020
gatgtaccc	cgccttcaa	ccatcgacca	ggcagccacc	tggacagcca	ccggaggatg	1080
gcccactc	ccatccccac	gcccggcccg	tctgacttca	gcaccgc	caccctgtc	1140
gtcgagcaga	tagagccggc	cctggatgag	gtcaccttct	cgcagcctcc	accactgc	1200
cogccacccc	caccagccca	agagacccag	gagcccagcc	ccatctt	cagtgaggag	1260
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gcccctcccc	ggggggccagg	cagcccttca	gaggacttga	tgttcatg	gtctgcagag	1380
caggctgtcc	tggctgtcc	cgtggagct	gccacagct	acgcccacg	gttccacgat	1440
gcagctgaca	ccattgaaac	tgacacttgc	actgttgc	ccactgttgc	caacaacgt	1500
ccccccggcc	ccaccagct	cattgaccta	tggcttggca	acggggaaagg	ggcttccaca	1560
ctccagggttgc	agccccagg	ccccacgc	cccttggta	ctgagg	cctggcagag	1620
gtgccccctgc	tggatgagg	ggctccggag	ccactgtc	cagcaggcg	aggctgtgc	1680
acccttctca	actttatg	gctgttgc	ccggcagcc	ccttctgt	cccaaggaa	1740
gtggaaagg	agccccctgg	tggccccc	accccaact	tgccttgc	ccttggag	1800
ctggagcaag	agcaggagcc	ggagccccac	ctgttacca	atggcgagac	caccagaag	1860
gaggggaccc	aggccagt	ggggtaactt	agtcaatc	aggaggag	gttgc	1920
tcgaaagac	tctgtccaa	ggctccgc	cctgttct	acaacaagcc	tccagagat	1980
gacatcacat	gctggatgc	agacccagg	ccagaagagg	aggagggct	cgagggtgt	2040
gattagcggt	ggcgcagcc	ctaggctacc	cttgc	ccgcccac	gatcagcc	2100
ctggccagac	ggcccccgt	gcctgcatt	gcagcagct	cgcctggac	ccactccg	2160
ttccggccct	ggctggggac	ttggccgc	cccttacc	aggcctgac	tttacagct	2220
tttcttctt	tttaaaatgt	tgttgc	cttgc	tactgg	tcctctcg	2280
gtagtttag	acgctgttgc	aaattccacc	cctcttccc	tggccagat	tgttagctt	2340
atccttcc	gctcagctgg	ccgggttgg	ggcctc	tgcttgg	ctggcgtgg	2400
ggagctctg	gtggaaaat	gtccccacc	tcttttctt	tttttatgtt	tcttggaa	2460
atatactt	gtattctctg	tccagggtt	cagatattt	gcacgaattt	taaaacatgg	2520
caataaatgg	ctcgtggct	ctggcaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2580
aaaaaaaaaa	aaa					2593

Homo sapiens MDS019 (MDS019) mRNA, complete cds.

ctgcccgggg	gaggggccca	gagaaaaacca	gaaagaggggt	gagagactga	ggaagataaa	60
gcgtccccagg	gcctcttaca	ccagcgccctg	agcagggaaac	ggggggggcc	atgactacga	120
ggccctggga	ggtaacttta	gggaggggctg	tcctaaaacc	agaagcttgg	agcagaaaagt	180
gaaaccttgg	tgcctccagac	aaagatctta	gtcgggacta	gccggccaag	gatgaagcct	240
cacttcagaa	acacagtgg	gcgaatgtat	cgagacacat	tctcttacaa	cttttataat	300
agacccatcc	tttctcgctg	gaataccgtc	ttggctgtgt	acgaagtggaa	aacaaagggt	360
ccctcaaggc	ccccttgg	cgcaaagatc	tttcgaggcc	aggtgtattc	cgaacttaag	420
taccaccagg	agatgagatt	cttccactgg	ttcagcaagt	ggaggaaagct	gcacatcgac	480
caggagtagt	aggtcacccgt	gtacatatcc	ttggagccct	gcacaaagtgg	tacaaggat	540
atggccacgt	tcctggccga	ggaccgcgaag	gttaccctga	ccatcttcgt	tgcccgccctc	600
tactacttct	gggacccaga	ttaccaggag	gcgcttcgca	gcctgtgtca	aaaaagagac	660
ggtcccgctg	ccaccatgaa	gatcatgaat	tatgacgaat	ttcagcactg	ttggagcaag	720
ttcgtgtaca	gccaaagaga	gttatttgag	ccttggaaa	atctgcctaa	atattatata	780
ttactgcaca	tcatgtctgg	ggagattctc	agacactoga	tggatccacc	cacattcact	840
ttcaacttta	acaatgaacc	ttgggtcaga	gacggccatg	agacttacct	gtgttatgag	900
gtggagcgca	tgcacaatga	cacctgggtc	ctgctgaacc	agcgcagggg	ctttctatgc	960
aaccaggctc	cacataaaaca	cggtttcctt	gaaggccgccc	atgcagagct	gtgcttcctg	1020
gacgtgattc	ccttttggaa	gctggacctg	gaccaggact	acagggttac	ctgcttcacc	1080
tcctggagcc	cctgcttca	ctgtggccag	gaaatggota	aattcatttc	aaaaaacaaa	1140
cacgtgagcc	tgtgcattt	cactggccgc	atctatqatg	atcaaggaag	atgtcaggag	1200
gggctgcgca	ccctggccga	ggctggggcc	aaaatttcaa	taatgacata	cagtgaattt	1260
aagcactgct	gggacacctt	tgtggaccac	cagggatgtc	cctttccagcc	ctgggatgga	1320
ctagatgagc	acagccaaga	cctgagttgg	aggctgcggg	ccattctcca	gaatcaggaa	1380
aactgaagga	tgggcctca	tctctaaagg	aggcagagac	ctgggtttag	cctcagaata	1440
aaagatctt	ttccaagaaa	tgcaaacagg	ctgttccatca	ccatctccag	ctgatcacag	1500
acaccagcaa	agcaatgcac	tcctgaccaa	gtagatttt	ttaaaaatta	gagtgcattt	1560
ctttgaatca	aaaatttatt	tatatttcaa	gaataaaagta	ctaagattgt	gctcaataca	1620
cagaaaagtt	tcaaaccctac	taatccagcg	acaatttggaa	tcgggtttgt	aggttagagga	1680
ataaaaatgaa	atactaaatc	tttctgtaaa	aaaaaaa			1717

Human carnitine palmitoyltransferase I mRNA, nuclear gene encoding mitochondrial protein, complete cds.

ccgcgcaccc	atctcccccc	gtccttagtg	ccgaccaacc	cccaggatgg	cggaagctca	60
ccaggccgtg	gccttccagt	tcacgggtgac	cccagacggg	gtcgacttcc	ggctcagtcg	120
ggaggccctg	aaacaacgtct	acctgtctgg	gatcaactcc	tggaagaaaac	gcctgatccg	180
catcaagaat	ggcatcctca	ggggcgtgt	ccctggcage	cccaccaat	ggctggtcgt	240
catcatggca	acagtgggtt	cctcccttctg	caacgtggac	atctccttgg	ggctggtcag	300
ttgcatccag	agatgcctcc	ctcaggggtt	tggcccctac	cagacccccc	agacccgggc	360
acttctcagc	atggccatct	tctccacggg	cgtctgggt	acgggcatact	tcttcttcgg	420
ccaaacctg	aagctgcttc	tctgtctacca	tgggtggatg	tttgagatgc	atggcaagac	480
cagcaacttgc	accaggatct	gggctatgtg	tatccgcctt	etatccagcc	ggcacccstat	540
gctctacagc	ttccagacat	ctctgccccaa	gcttcctgt	cccagggtgt	cagccacaat	600
tcagcggta	ctagagtctg	tgcccccctt	gttggatgtat	gaggaatatt	accgcataa	660
gttgctggcc	aaagaattcc	aggacaagac	tgccccccagg	ctgcagaaat	acctgggtgt	720
caagtcatgg	tgggcaagta	actatgttag	tgactgggtt	gaagagtaca	tctacccctcg	780
agcaggaggc	cctctcatgg	tgaacagcaa	ctattatgtc	atggacccctt	tgctcatcaa	840
gaatacagac	gtgcaggcag	cccgccctggg	aaacatcatc	cacgcctatga	tcatgtatcg	900
ccgtaaactg	gaccgtgaag	aaatcaagcc	tgtgatggca	ctgggcata	tgcctatgt	960
ctcctaccag	atggagagga	tgttcaacac	cactcgatc	ccgggcacagg	acacagatgt	1020
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gctgtggctc	tatgagggcg	cccgctctgt	caagcctcag	gatctggaga	tgcagttcca	1140
gaggatctg	gacgaccctt	ccccacctca	gcctggggag	gagaagctgg	cagccctcac	1200
tgcaaggagga	agggtggagt	gggcgcaggc	acgcaggcc	ttctttatgt	ctggaaagaa	1260
taaggctgcc	ttggaggcca	tcgagcgtgc	cgotttctt	gtggccctgg	atgaggaatc	1320
ctactcctat	gacccccaag	atgaggccag	cctcagcctc	tatggcaagg	ccctgctaca	1380
tggcaactgc	tacaacaggt	ggtttgcacaa	atccttcact	ctcatttctt	tcaagaatgg	1440
ccagttgggt	ctcaatgcag	agcatgcgt	ggcagatgt	cccatcattt	ggcacccctg	1500
ggagttgtc	ctgggcacag	acagcttcca	cctggctac	acggagaccg	ggcactgcct	1560
gggc当地ac	aaacccctgcgc	tcgcacccctt	tacacggctg	cagtgggaca	ttccaaaaca	1620
gtgccaggcg	gtcatcaaga	gttccctacca	ggtgccaa	gcgttggcag	acgcacgtgg	1680
gttgtactgc	ttccagttcc	tgccctttgg	caaaggcctc	atcaagaat	gccggaccag	1740
ccctgatgcc	tttgtcaga	tcgcgtcga	gctggctac	ttccgggaca	gggttaagtt	1800
ctgcctgacc	tatgaggcct	caatgaccag	aatgttccgg	gagggacgga	ctgagactgt	1860
gcgttccctgt	accagcgagt	ccacagccctt	tgtcaggcc	atgatggagg	ggtcccacac	1920
aaaagcagac	ctgcgagatc	tcttccagaa	ggctgtcta	aagcaccaga	atatgtaccg	1980
cctggccatg	accggggcag	ggatcgcacag	gcacccttcc	tgcctttact	tggctccaa	2040
gtaccttagga	gtcagctctc	ctttcccttc	tgagggtc	tcggaacccct	ggcgtctctc	2100
caccagccag	atcccccaat	cccagatccg	catgttcgac	ccagacgc	accccaatca	2160
cctggccgct	ggaggtggct	ttggccctgt	agcagatgt	ggctatggag	tttccctacat	2220
gattgcaggc	gagaacacga	tcttcttcca	catctccagc	aagttctcaa	gctcagagac	2280
gaacgcccag	cgctttggaa	accacatccg	caaagccctg	ctggacattt	ctgatcttt	2340
ccaagttccc	aaggccctaca	gctgaagccc	ttaggta	gtgtttgtt	tgggaactcg	2400
gaggccctcc	ccctccccca	gctcagacca	cagaggtggc	aagagaaggg	ctgaagctgg	2460
aagactgttc	atgaggact	tgtgtgaccc	gtttgaaat	gtgtactt	gctgagtgac	2520
gtaggctctg	agatagctgt	ccacgcccac	gtgttgctt	ggaataaata	cttgc	2576

Homo sapiens prostate differentiation factor mRNA, complete cds.

agcgtttaaa	cttaagcttg	gagttatttc	caccatgcc	ggcaagaac	tcaggacgt	60
gaatggctct	cagatgtcc	tggtgttgc	ggtgtctcg	tggctgcgc	atgggggcgc	120
cctgtctctg	gccgaggcga	gccgcgcaag	tttcccggga	ccctcagagt	tgcactccga	180
agactccaga	ttccgagagt	tgcggaaacg	ctacgaggac	ctgctaacc	ggctgcgggc	240
caaccagagc	tgggaagatt	cgAACACCGA	cctcgccccg	gccccctgcag	tccggatact	300
cacggccagaa	gtgcggctgg	gatccggcgg	ccacctgcac	ctgcgtatct	ctcgggccgc	360
ccttccttag	gggctccccg	aggcctcccg	cttcacccgg	gctctgttcc	ggctgtcccc	420
gacggcgtca	aggtcggtgg	aacgtgacacg	accgctgcgg	cgtcagctca	gccttgcaag	480
accccccaggcg	cccgccgtgc	acctgcgact	gtcgccgcgg	ccgtcgca	cgaccact	540
gctggcagaaa	tcttcgtccg	cacgccccca	gctggagttt	cacttgcggc	cgcaagccgc	600
cagggggcgc	cgcagagcgc	gtgcgcgca	cgggaccac	tgtccgcctg	ggcccgggcgc	660
ttgctgcgt	ctgcacacgg	tccgcgcgtc	gctgaaagac	ctgggttggg	ccgattgggt	720
gctgtcgcca	cgggaggtgc	aagtgaccat	gtgcacgcgc	gcgtgcgcga	gccagttccg	780
ggcggcaaac	atgcacgcgc	agatcaagac	gagcctgcac	cgccctga	ccgacacgg	840
gccagcgc	tgtgcgtgc	ccgcccagcta	caatccatg	gtgcatttc	aaaagaccga	900
caccgggtt	tgcgtccaga	cctatgtatg	tttgcattc	aaagactgcc	actgcata	960
aactagtact	aagccgaatt	ctgcagat	cc			992

Homo sapiens amphiphysin II mRNA, complete cds.

ccgggcgagg	cctgcgccgc	gatggcagag	atggcagta	aagggtgac	ggcgggaaag	60
atcgccagca	acgtgcagaa	gaagctcacc	cgcgccgagg	agaaggctct	ccagaagctg	120
gggaaggcag	atgagaccaa	ggatgagcag	ttttagcagt	gcgtccagaa	tttcaacaag	180
cagctgacgg	agggcacccg	gtcgacaaag	gatctccgga	cctacctggc	ctccgtcaaa	240
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tggcccccga	gggatggggc	aaacaagatc	gcagagaaca	acgacctgt	gtggatggat	360
taccaccaga	agctgggtgga	ccaggcgcgt	ctgaccatgg	acacgtacct	ggccagttc	420
ccgcacatca	agtcaacgcac	tgccaagcgg	gggcgaacgc	tggtgacta	cgacagtgcc	480
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aagggtttt	aggagatgaa	tgtggatctg	caggaggagc	tgccgtccct	gtggAACAGC	720
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aacaagagcc	tttcgcctcc	agatggctcc	cctggccca	cccccgagat	cagactcaac	960
cacgagccag	agccggccgg	cggggccacg	cccggggcca	ccctcccaa	gtccccatct	1020
cagctcgga	aaggcccacc	agtccctccg	cctcccaaacc	acaccccgctc	caaggaagtc	1080
aagcagga	agatcctcag	cctgttttag	gacacgtttg	tccctgagat	cagcgtgacc	1140
acccctccc	agtttggggc	ccccgggcct	ttctcgagc	aggccagtt	gtggacactg	1200
gactttgacc	ccctcccgcc	cgtgacgagc	cctgtgaagg	cacccacgcc	ctctggtcag	1260
tcaattccat	gggacctctg	ggagcccaca	gagagtccag	ccggcagcc	gccttccggg	1320
gagccccagcg	ctgcggaggg	cacctttgt	gtgtctggc	ccagccagac	ggccgagccg	1380
gggcctgccc	aaccagcaga	gcccctggag	gtgggggtg	ggacccaacc	tgccgttgg	1440
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gtgggtggaga	ccttcccgac	aactgtgaat	ggcacccgtgg	agggcggcag	tggggccggg	1560
cgttggacc	tgccccccagg	tttcatgttc	aaggatcagg	cccagcacga	ctacacggcc	1620
actgacacag	acgagctgca	gctcaaggct	ggtgatgtgg	tgctggat	cccttccag	1680
aaccctgaag	agcaggatga	aggctggctc	atggcgtga	aggagagcga	ctgaaaccag	1740
cacaaggagc	tggagaagt	cgtggcgtc	ttcccccaga	acttcactga	gagggtccca	1800
tgacggccgg	gcccaggcag	cctccggggcg	tgtgaagaac	acctccccc	aaaaaatgtg	1860
tggttcttt	ttttgtttt	tttttgttt	tcatctttt	aagagcaaa	ggaaatcaag	1920
aggagacccc	caggcagagg	ggcgttctcc	caaagattag	gtcgtttcc	aaagagccgc	1980
gtccggcaa	gtccggcg					1998

602149641F1 NIH_MGC_81 Homo sapiens cDNA clone IMAGE:4290707 5', mRNA sequence.

ggcttctggc	aatgttagatt	tagttgacgc	tccccaaagt	gcatgagaca	catgctaaaa	60
ttacaaaatta	aaatttgggt	cagacttggc	ataatgatag	actcaattta	gctctctgaa	120
ctagtggtaa	ttttttttt	ttaattccc	acttggcggt	tggtgtacat	tcaaataagaa	180
tgagaagtgt	gtatgtgcac	caaaccacaa	gaaactttct	ttaagtgggt	ttaaagagga	240
aagacctaga	atccaagcgg	tgttacattt	aaaatggtaa	cagagcagcg	tgcttccacc	300
tttcagatat	agatgtggaa	accacagcag	aagtataga	gcgacaactt	atatacacac	360
ctagaaggta	agttaaacaa	aataccggct	tccagagacc	cctttctcc	agccatatta	420
catcaggcta	gaagtaattt	aggtggattt	atttcatcta	caagcagttt	gtccctaagt	480
gaaaggctct	gttggaaaac	aaaacggacc	aaacagtgt	gggaaaaatt	tccatgtgt	540
tctgtgaagc	ttatgtggta	cacgtggccc	atttctaattc	ttctctgggg	ggagcggcca	600
cagacctgtg	ttcggggtgaa	cctcttaattt	cctgagtctt	taccaataca	gttcctgggg	660
gcccggggaa	cgccttggat	atgccaggtc	agaaaaggggg	ctcgatatgg	gttgcggcagt	720
tctctggggca	ccttgccttg	aaacacccct	cattttgc			759

Human global transcription activator homologous sequence mRNA, complete cds.

caagactgga	agcagagaga	gagagcaaga	gtgagagaga	gcgagcggagc	gtagtcagga	60
gatgggtttt	tattccagga	aaaaaacgtt	tcttcatttc	aactcaaact	tgctgctaaa	120
gcccctaaat	ctgaaaagga	aatggaccca	gaatatgaag	agaaaatgaa	agccgaccga	180
gcaaagagat	ttgaattttt	actgaagcag	acagaacttt	ttgcacattt	cattcagcct	240
tcagcagaga	aatctccaaac	atctccactt	aacatgaaat	tgggacgtcc	ccgaataaaag	300
aaagatgaaa	agcagagctt	attttctgt	ggagactacc	gccataggcg	cacagagcaa	360
gaagaagatg	aagagactact	gtctgagagt	cggaaaaacat	ctaatgtgt	tattagattt	420
gaggtgtcac	cttcatatgt	gaaaggggggg	ccactgagag	attatcagat	tcgaggactg	480
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cctggacctc	acatggtttt	agttccaaag	tctactttac	acaactggat	gaatgaattt	660
aaacgatggg	tcccacatct	ccgtgtcatt	tgtttgtcg	gagacaagga	tgcagagct	720
gcttttattt	gtgatgaaat	gatgccagga	gagttggatg	tttgcgttac	ttcttatgag	780
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gccttactca	acttttattt	gcctgatgtc	tttaatttgc	cagatgactt	tgattcttgg	1020
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gaagattata	gagaaaaaaca	gaagctggc	atggtggaaat	ggattgaacc	tcctaaaacga	2160
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cctgaggagg	tcatggagta	ttcagctgt	ttttgggaaac	gttcaatga	attacaggac	2640
attgagaaaa	ttatggctca	aattgaacgt	ggagaagcaa	gaattcaacg	aaggatcagt	2700
atcaagaaaag	ccctggatgc	caaattgca	agatacaagg	ctccatttca	tcagttgcgc	2760
attcagatag	gaaccagcaa	aggaaaagaa	tatactgagg	aagaagatag	attcttgatt	2820
tgtatgttac	acaaaaatggg	ctttgataga	aaaaatgtat	atgaagaatt	aagacagtgt	2880
gtacgaaatg	ctccccagtt	tagatttgac	tggttttatca	agtctaggac	tgccatggaa	2940
ttccagagac	gctgtaacac	tctgatttca	ttgattgaga	aagaaaatat	ggaaattgag	3000
gaaagagaga	gagcagaaaa	gaagaaacgg	gcaactaaaa	ctccaatgg	aaaatttca	3060
gcattttcct	aactttttaga	ttaacattt	ttggggcatt	taaaatgtgc	atattggagc	3120
agaacattaa	atctgtttcc	attttagtca	cagaaaaagaa	aagcagagtc	agctactgag	3180
agctctggaa	agaaggatgt	caagaaggtg	aaatctaaa	gcctagaaaat	aaagttttaa	3240
atgggaaact	gctatttct	tgttccatc	ttcaaatgt	aattgccagt	tccagtgtat	3300
tcatggtact	ctaagaaaaaa	tctctttgg	tttgatttct	tgcatatttt	atataatttta	3360
caatgcttc	tacctgaaat	gtgtagctt	atattttatg	gcattctagt	atttttgtgt	3420
actgtatttt	gtgcatttca	tgtcttcatc	aaaatctct	cagtccttgt	tcttttgaag	3480
cttgcgtga	ggttttagct	tttctatgtt	ttatatgccc	ctgctttgaa	agagaaccta	3540
gattctatag	ttgttattatt	gttgcattcat	actttaaatt	tatatggctg	tggaaaaacg	3600
aattaaaatg	ttttgaggag	aaagaaaaaa	aaaa			3634

tb60a01.x1 NCI_CGAP_Br15 Homo sapiens cDNA clone IMAGE:2058696 3' similar
to gb:M84739 CALRETICULIN PRECURSOR (HUMAN);, mRNA sequence.

tataacggctg cgagaagacg acagaagggg acagaggcaa gaaaagatgt tgatcaagaa	60
agatgagaac caggggtgag ggctgaagga gaatcaaaga taaaatacca gttaaaaaaaaa	120
aaaaaaaaaaa aaaaaaaaaagt cgtatcga	148

tu04d02:x1 NCI_CGAP_Pr28 Homo sapiens cDNA clone IMAGE:2250051 3', mRNA sequence.

tttttacaag gggaaaaatt atgtatTTat ttacacaaat atgcacagaa cacttgtatc	60
tttcaaagt cacacttaag acatagtaaa agcatgttgt atgaaccatg tattcttaag	120
gattgagcaa actgcaggct gtttgctgcc ttttaggtt gctagtccct gatctacttg	180
aaacagatgt tgcttcccc aacactagtt taattataag ggcagcctgt gagaagttt	240
caatagacat ttttctcacc tatattgcac gttttctga agcccttggg caagtgtgtg	300
tgcctatgtgt agttctattt acatataaac gctactttaa aagtttatca aaatcatgag	360
tttttacaaa agtttttaat gctctctgc attatatgt a gcattgcaaa tctgcaaagt	420
agaaaaacta taaagcacct ttaggtttgc accagttatt acagaaatgg ggatttgtga	480
aaaggatgta atttgatgta gaagggcaaa gtccttaat gactggcatt caagaggatt	540
acttaaaaca	550

Homo sapiens mRNA for KIAA0895 protein, partial cds.

ccagtagcta	cgggctgggt	gaagcgctgc	tcacagtca	tgtcggtacg	tcttcgtccg	60
cccttaccct	ccttatacctg	ctccaggtag	cggagagccg	cctccccccg	cgccccccgc	120
accgaggccc	gggtcagagg	ctagaggccg	cccggccctg	cgccggccct	tccctgagc	180
cccgccggcc	cgccggcccg	ggcctcgaaa	cgacatgtct	ggagttccatt	cgcgtgacgg	240
aaaagcttca	ctggcctgag	caagaacttg	ctaagaagtc	tattctaaat	gcagaagatt	300
cattgatcat	tgacaacaaa	agaagcattt	cacatttgc	ctcgggagtg	ctaaaagaca	360
tttcacaac	tggaaaccagt	agttacaatg	tcctactaca	gagcaagag	aaaaaaaaagt	420
atcattcaca	aaaacagtct	tcctocacact	actccaaaag	atgttagaaaa	cccgacaaat	480
ctcctaacad	ttctcgtagc	aaagatcctc	gcagatgaa	agccctgtgt	cctgtgacaa	540
goagtggta	ttggtaactgc	ctggagaggg	ggcctgctgt	ttttgtcaact	agttcgtgt	600
caagtcctgt	aaagttaca	catgatatct	ctgttacagg	aatggcata	gtactgccac	660
ctaaacccaa	aagcaaggc	aagtgggtcc	atttctccac	tcttccaaag	ccaaaggcctc	720
agctgtctag	aagcttgc	aaggagatg	actttctgg	gaagaaaattt	tgttatattga	780
ctgtatataa	acccaccaac	ttagagaag	aaaaactgag	attcttcaaa	tctgactata	840
cctacaatcc	tcagtttgc	tatgccaatc	ctgctctgca	aagcgtatta	gctaagcata	900
gccacgcata	tgaccgattt	cttaagcaga	ttgttagttca	tctcaactgag	gacctgcttt	960
cccgagcgtc	aatgacagta	gtaaatggat	gtccgactct	gactatcaat	gtgtccactg	1020
cacgtagca	ttggctggag	ggaatgctga	ggcatgaaat	aggtacacat	tattttcgag	1080
gtattaacaa	cctccacac	ccatggaaaca	gttggactgg	acgtaaaaaa	catgagctaa	1140
agccaaataa	tcccacacag	gaaggactag	caagcattca	cagtgttctg	tttagaaaaag	1200
accctttttt	atggagggct	gccctcctct	actacactgt	ttatcaagcc	agccaaatgt	1260
cttttgc	actctttaaa	gatattggca	gtttgtcaa	ggaccccaat	acaagatggg	1320
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tggcagttac	cgaaaacatg	agggcccttc	atttctgc	ggaccatggc	cgatatatgg	1560
aacacttaga	gaagatcatg	gaagtgaatg	aactgactga	cagggactg	aaagatctt	1620
tatagtaatt	agcggtctgg	caaacatagc	taagctatgc	ctccatgtat	attaccagtt	1680
agtgcaagtt	agcaccagaa	gatttataaa	agaagaaaaga	ctacttgcgt	tttctgaaga	1740
agggtcttca	gtattcagcg	gaatttttag	gttaagtaca	gatcttaaac	tattttccctt	1800
aatatgttct	ataggctgc	gggggaagtt	attcctattt	tctgaatctc	gacagagtca	1860
gatgaaaata	ctactgctga	gcatttttg	agactctgg	tcaaattgca	tgataaaattt	1920
ctgcctgagc	agtaagcact	ggcctagtgc	ttctgcctaa	atatggaggt	cagctccac	1980
tggagactgg	ctgaatttca	ttgctgttca	gactccaaag	ttatattttt	tttgataaaat	2040
aatggtaatt	attctccctt	aaaaaattttag	ttttgtgtt	ctccaaaaag	ctagctatat	2100
atctcagctt	tcttattttt	tttataatgtt	gagggatttt	aaagggagag	gaaaagcaat	2160
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ggaactaaat	tagagaatca	cctctttttt	tccgggttac	tcttaactat	gttttcattt	2280
gctgaaacat	attgtaccct	ttttaattttt	ttacagagtt	ttaacgtt	ttccactgca	2340
tcctttataa	aaataagttac	aaattccaga	gaggtttcc	tacacaaata	caaataattt	2400
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tggttcagta	tattttatca	aatcttgcac	ttcatcaacc	cagtaatgac	atagttttaa	2640
ttttaaaatg	agagttctgt	tttgctgtat	ttctctgtct	agcctagctt	tgtattttat	2700
catcagcttc	agtatatact	tgtatataata	tacctggatt	caaatggttc	ttcatacacaac	2760
ttaatgatca	gaaagaatgc	tgctgtaaac	accccaactca	agattgctgc	tggattttct	2820
acccaaagct	gtctgagat	ttatctttac	ctcagtgcag	gcttaaataa	ttggtgcata	2880
actggtagat	ataactgtt	aaggctgggt	cacattcatg	ctagaaaatg	atttgggaa	2940
atctttata	ggagaggtta	catgattttt	ctcttcaca	tatctagaag	gacttgcctc	3000
aaagaagaat	gttgcagcaa	acaggatata	ctctagctgg	tgcggaaaagg	ttcttgcaaa	3060
accatgaatc	ttgcttttag	cagtaaagggg	ccagacactt	tggagcattt	aaaggcctt	3120
gccctgtctc	cccaactacg	tgcctatgtt	ggtatgtgt	atccctgtaca	tctgtgtgcc	3180
aggctggggc	agactgtgcc	aatgctcacc	aaacactaga	atctgcttt	acacacttag	3240

catgtatctc gttgttagcag agttgtgcac tttctcagca ttgtgttagtg ttttctaatt	3300
gcatctaaaa acttatcaaa agtgattgtg aaaacagtgt cttagaagta taaaacagaaaa	3360
tggcaatatt tatgtccctgt gattcaagcc caaaggttat aaattcaact ttcacaggga	3420
atagcactgc taatcttact ttatgattt aatataaagg aaaatcacag cagccttaat	3480
ttcctgttgg tcggatcatt tgcaagcagt ctagttcctg actttttaaa tggatgaaat	3540
tttctctttg tctgatttgg aaaaggaact gctttttgc cttactgctt tggatataagg	3600
atgaaaaaca tgagcactct gcagacaaaa tgacccctaaa tcacattgtat taagatattt	3660
taaaagtttag cagtgaacca aaagttagttt cagatttagca gaaataaaga gctttaagtt	3720
ttaaaagttt agattgaata ttatgaaa gtttattaaat tctttttcca ggaatagcag	3780
taaggtcagt tttttccct aaaataaaaaa gttttaataa acagaaaatt atagcaacag	3840
tacttaggag aatagtgtt gattgttata atttttaatta taatagtat ttgtcatagg	3900
ctattgatga tttagaatttc attagtttg tccactataa tttttttttt agttgtgtca	3960
aatacaaatt ctggtaaact gtttaggtttt aacaccagac agtattcaaa ggaatattaat	4020
gttgcaaac ataaatccat agtcttcatt tctttatatt gtcacccctt gttttttttt	4080
taaaatttgtt attgtttgtt ttgtatatct ttggcatct tttttttttt tttttttttt	4140
agaaacggtg ccaag	4155

Homo sapiens NUCB2 protein (NUCB2) mRNA, complete cds.

caggtttgtg	cgctggacgc	aaggcaccagg	cgcagcctcg	ctcgccgaga	cccgccaga	60
acgtgttacg	agtcatgttt	tagtgaaaaaa	acattgagct	aggagccaag	accatctct	120
tcaactatTTT	ggtattgtgc	aagtcatTTT	acctctctgg	atctcagttg	tctcatctgt	180
aaaaaggaga	taaaaattat	ttacctgcct	gaacatgagg	tggaggacca	tcctgctaca	240
gtattgctt	ctcttgatta	catgtttact	tactgctctt	gaagctgtgc	ctattgacat	300
agacaagaca	aaagtacaaa	atattcaccc	tgtggaaagt	gcgaagatag	aaccaccaga	360
tactggactt	tattatgatg	aatatctcaa	gcaagtgatt	gatgtgtcg	aaacagataa	420
acacttcaga	gaaaagctcc	agaaaggcaga	catagaggaa	ataaaagagt	ggaggctaaag	480
caaagaactg	gatTTtagtaa	gtcaccatgt	gaggacaaaa	cttgatgaac	tgaaaaggca	540
agaagtagga	aggtaagaa	tgttaattaa	agctaagttg	gattcccttc	aagatatagg	600
catggaccac	caagctcttc	taaaacaatt	tgatcaccta	aaccacatga	atcctgacaa	660
gtttgaatcc	acagatttag	atatgcta	caaagcggca	acaagtgtac	tggAACacta	720
tgacaagact	cgtcatgaag	aattttaaaaaa	atatgaaatg	atgaaggaac	atgaaaggag	780
agaatattt	aaaacattga	atgaagaaaa	gagaaaaagaa	gaagagtcta	aatttgaaga	840
aatgaagaaa	aagcatgaaa	atcaccccaa	agttaatcac	ccaggaagca	aagatcaact	900
aaaagaggtt	tgggaagaga	ctgatggatt	ggatccta	gactttgacc	ccaagacatt	960
tttcaaattt	catgatgtca	atagtgtatgg	attcctggat	gaacaagaat	tagaAGCCCT	1020
atTTactaaa	gagttggaga	aagtatata	ccctaaaaat	gaagaggatg	atatggtaga	1080
aatggaaagaa	gaaaggctt	gaatgaggga	acatgtatg	aatgaggtt	atactaacaa	1140
agacagattt	gtgactctgg	aggagtTTTT	gaaagccaca	gaaaaaaaaa	aattcttgg	1200
gccagatagc	tgggagacat	tagatcagca	acagttcttc	acagaggaag	aactaaaaga	1260
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gaaacaaaaaa	gaagagctac	aacgtcagca	tgatcaactg	gaggctcaga	agctggaata	1380
tcatcagg	tc atacacgaga	tggacaaaaa	aaaattacaa	ggaattcctc	catcaggccc	1440
agctggagaa	ttgaagttt	agccacacat	ttaaagtctg	aagtccacca	gaacttggaa	1500
gaaa						

Homo sapiens glucose-6-phosphate dehydrogenase, mRNA (cDNA clone MGC:8534 IMAGE:2822640), complete cds.

cacttcgggg ctgcgagcgc ggagggcgac gacgacgaag cgca	60
gcaggtggc cctgagccgg acccagggtgt gcgggatcct gcggaa	120
gcatgcctt ccatacgatcg gatacacaca tattcatcat catgggtgc	180
tggccaagaa gaagatctac cccaccatct ggtggcttt cgggatggc	240
aaaacacccat ctcgtggc tatgcccgtt cccgcctcac agtggctgac	300
agagtggcc cttcttcaag gccaccccg aggagaagct caagctggag	360
cccgcaactc ttagtggct ggcaggtacg atgatgcagc ctccatccag	420
gccacatgaa tgccctccac tggggtcac agggcaaccg ccttctcac	480
ccccgaccgt ctacgaggcc gtaccaaga acattcacga gtcctgcattg	540
gctggAACCG catcatcgat gagaaggcct tcgggaggga ctcgcaggc	600
tgtccaacca catctccctc ctgttccgtg aggaccatgatccgcatc	660
tggcaaggaa gatgggtcag aacctcatgg tgctgagatt tgccaacagg	720
ccatctggaa ccgggacaac atcgcctgcg ttatcctcac ttcaaggag	780
ctgagggtcg cggggctat ttcatgtat ttggatcat cgggacgtg	840
acctaactgca gatgtgtgt ctgggtggca tggagaagcc cgcctccacc	900
acgtccgtga tgagaaggta aagggttgta aatgcatttc agagggtcag	960
tggtcctggg ccagtacgtg gggAACCCG atggagaggg cggggccacc	1020
tggacgaccc cacgggccc cgggggttcca ccacccgcac tttgcagcc	1080
atgtggagaa tgagagggtgg gatgggtgc cttcatcct gctgcggc	1140
acgagcgcaa ggccgaggta aggctgcagt tccatgtatg ggcggcgac	1200
agcagtgcac ggcacacgag ctgggtatcc gcgtgcagcc caacgaggcc	1260
agatgtatgac caagaagccg ggcatttttca tcaaccccgaa ggagtgcgag	1320
cctacggcaa cagatacaag aacgtgaagc tccatgcgcgctatgacgc	1380
acgtcttctg cggggccag atgcacttcg tgccgcgcgatg ctagtccgt	1440
gtatttcac cccactgctg caccagattt agctggagaa gcccaagccc	1500
tttatggcag cggaggcccc acggaggcag acgagctgtat gaaagagatg	1560
atgagggcac tacaagtgg gtgaaccccc acaagctctg agccctggc	1620
accccccggcca cggccaccct cttcccccgc gcccggccca gagtcggag	1680
ccattgacct cagctgcaca ttccctggccc cgggtctgg ccacccctgg	1740
ctgctgtac taccggagcc cagctacatt ctcagctgc caagcactcg	1800
ggccccctcca gaccctgcct gagcccagga gctgagtcac ctcctccact	1860
caacagaagg aaggaggagg ggcggccatcc gtctgtccca gagttattt	1920
ctcaactctg agtggggcca ggggtggagg gagggacgag ggggggggg	1980
cccacgtgag agaatctgcc tggggcttgc cccggccagcc tcagtgccac	2040
ttgtcaccag caacatctcg agccccctgg atgtccccctg tcccaccaac	2100
atggccaccc cgtgcccaccc gtggcagcc tctctgtat aagaaaaagca	2160
ctgggacccc tcccaacctc aatgcctgc cattaaatcc gcaaacagcc	2220
aaaaaaaaaaaa	2230

Homo sapiens zinc finger protein 165 (Zpf165) mRNA, complete cds.

ggtccccgat	ccgcgcgggt	ttggggatcc	anatgtccag	ccccgtgtcc	ccctccaaac	60
atccagtccc	tctcatattg	ccttgaaaat	tagcagcctc	tgggtgacca	gaccttggcc	120
ctcagaggaa	tcccgganaa	aggtanaacc	agcttcgctg	tgggaacgca	ggcgcgctta	180
cgcatttagt	gagggtttgg	cggctccat	anttaccgca	gcccgcgctg	acntcatant	240
ggagcgctga	gggcttggtg	gcgtgggggt	ggggctgtcc	tactgtatcc	gaatttgggt	300
cactggtaan	angagttgcc	cattccancc	aggttggaaacg	gggaggggta	gccacatgtc	360
tcagatctgc	cattgtctgc	aaaaagaaac	tgtgtcgagg	accatcccc	atcccctgct	420
tcccttggga	agagtaaccg	cggttttgta	ggacacttgg	ggacaacccc	gcttgtccctg	480
aaatttattg	acacgttaaa	tagtattttcc	tgtgtgccga	ggatgcagtt	aaaccaacac	540
tgacccctgt	cccttgagaa	acacaagatg	gctacagaac	caaagaaagc	tgcagcccag	600
aactctccag	aggatgaagg	acttctgata	gtgaagatag	aagaggaaga	atttatccat	660
ggcaggaca	cttgcttaca	gagaagtgaa	ctcccttaagc	aggagctctg	caggcagctt	720
tttaggcagt	tctgttacca	ggattctct	ggacactcgcg	aggcaactgag	ccgcctccgg	780
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gatgaagcag	tactccagg	tcaagccat	gaacatggac	aagaaatatt	ccagaaaaaa	1020
gtgtcaccc	ctggaccagc	acttaatgtc	aagtacagc	cagtggagac	caaggcccat	1080
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tccatgccaa	agctgaaat	ttttgaaaaaa	attgaatcac	agagaattat	atctggaga	1200
atctcaggat	acatatcaga	agcatctgg	gagttcaag	acatctgtaa	gtctgcaggc	1260
agggtaaaga	gacaatggga	aaaagaatca	ggggagtctc	agagactctc	gtctgcccag	1320
gatgaagggt	ttggtaaaat	cctcacccac	aaaaatacag	tcagagggtga	aataataagc	1380
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gctaaacatg	cagcagttt	cagtggagat	aaaactcatc	agtgtatga	atgtggaaa	1620
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aactcacatc	ttatcaggca	tcagagaatt	cacaccagag	agaaacccta	cgagtgtagt	1860
gaatgtggga	aaaccttccg	agttagctca	catcttattc	gacacttttag	aattcacact	1920
ggagaaaaac	cctatgaatg	cagttagtgt	ggaagagcct	tcagtcaagag	ctcaaaccctt	1980
agtcaacacc	agagaattca	catgagggaa	aacctattaa	tgttaaggaac	ttaaattttgt	2040
aagtaaatgc	tgagggaaatg	gcacaatatg	aaaaatatta	aataaaaaat	aatatttggg	2100
caagtggaaag	actgaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2150

602326096F1 NIH_MGC_90 Homo sapiens cDNA clone IMAGE:4414319 5', Mrna

tatctgttca	atgaaaataa	ggtatgaccc	aagttttac	ctagtctgac	tagaagtatt	60
ccacttcaag	gtctgaagta	ggactttac	ctaaaaaaac	aacaacaac	aaaactatca	120
cacaggatag	ataagaagat	tggtaaaca	gttttgtta	gatcttttg	gtgtgaact	180
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cacaatataatg	aatataatg	tttcagattt	caaggtataa	tgtaatagta	gtgtttgtaa	360
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atacgagaca	aaaaaaaaaa	aaaatgaaaa	aaaataaaaaa	aaaaagagag	ggggacagat	780
atataattcag	gggagagaaa	aaagacagat	tataaaaagg	ccccaaaataa	aaaaagaaga	840
aggggtataa	atcgaaaaaa	tgtgtgttaag	acaactgtgg	agaaaaac		887

Human prostaglandin endoperoxide synthase mRNA, complete cds.

gcccgcatggag ccggaggcttc ttgtccgggt tcttgcgttt cctgctcctg ctccccccgc	60
tcccccgtccct gtcgcggac ccagggggcgcc caacgcgcgt gaatccctgt tggtaactatc	120
catgccgcgc caaggccatc tgggtccgt tcggccctga cgcgcattcag tggactgca	180
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Human mRNA for tyrosine hydroxylase type 3

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ggccgtgtct	gagctggacg	ccaagcaggc	agaggccatc	atgggcgccc	cggggcccgag	120
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caccgtcaca	ataaaaagaaa	ctgtggcttc	t			1891

Homo sapiens mRNA; cDNA DKFZp566A093 (from clone DKFZp566A093); complete

agtctgggtt	ggactggcg	ccgtggagg	tgtgacatac	gaggtgacac	ccctcgagtc	60
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ataaaactttt ctctgtttt ctaaaaataaaaaaaaaaa	aaaaaaaaaa	1968

Homo sapiens mRNA for Id-1H, complete cds.

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ggccccacgt gcgcgctgaa ggccggcaag acagcgagcg gtgcgggcga ggtggtgccgc	120
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gagatcagcg ccctgacggc cgaggcggca tgcgccccctg cggacgatcg catcttgtgt	480
cgctgaaggc cttccccagg gaccggcgg	509

Homo sapiens mRNA for KIAA1254 protein, partial cds.

cattggcgcc	cgagctgtga	ccgcccac	tggggcagcc	agcacaatcg	ggcgagggtg	60
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acaatttgagt	taaatttagac	aactgtaaag	gaaaaattta	tgctttgtat	aatgtttgtt	5700
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ttgataactt	tatatttttc	ctcagaagca	ttagttaaaa	gtctactaac	ctgcattttc	5820
ctgttagttt	gcttgcgtt	atttttttt	acactggaaa	tgttcaactg	tagttttatt	5880
aaggaagccaa	ggcatcaac	agattttgtg	catgaaatga	gacttcctt	cagtgtaaaga	5940
gcttaaagca	agctoagtca	tacatgacaa	agtgtaaat	acactgatgt	ttgtgttaaa	6000
tttgcagcag	agcttggagaa	aagtacattg	ttcttggaaatt	tcatcataa	cattttataa	6060
tcttacactc	acttcttgc	tttttgcggg	ttcaagagcc	ctctgacttg	tgaagaattt	6120
gtggccctct	taagagctt	ctgacttgtt	ttcttgc	atttttgca	catctgaata	6180
tcgtggaaaga	aacaataaaa	ctacaccatg	agg			6213

Homo sapiens cDNA clone:HEMBA1001328, 3' end, expressed in whole embryo,
mainly head.

gtagcctta tttactaaa catttatttg cttctaggaa ataagcgctt tcctaattc	60
aagcaattat aaaagaactg ctgttttott ccacactcac ttgccagagg gtgaattgg	120
aagtacata tatgtctatg aacggaagtt aaaaggaaa ttcaacatga agatgaaatt	180
ctgaactttc ctagataaat taacattgt gggggaaat attcagatgc tgcttaata	240
cttcggtaaa cactggtaa gattcatgga acttagaaaa aagctgtatg aactgcttta	300
ccaaatatca ctactgagga aatgtataaa ataccacata gtataaaatt acatgttaat	360
ccaatgccag attttaata aaggaccta agtttcctc aagggggaag tttaatgggt	420
cntcccgnt ntcnagggc caaaaanttc ccaaggaaac caggtagnaa gctcttnaaa	480
ggccgcaaaa t	491

Homo sapiens mRNA; cDNA DKFZp564F1862 (from clone DKFZp564F1862); complete cds

gaggcttctg	aggtggtggc	gccagcggt	acccctgcc	tgtgaggagc	tggctgagag	60
ggactggc	gcggcgccc	aaggaggagc	gctaggtcgg	tgtacgaccg	agattagggt	120
gcgtccagc	tccggggagc	cgcgggtgagg	ggccgggccc	aagctgcga	cccgagccga	180
tcgtcagggt	cgccagcgcc	tcaagtctgt	ggaggagcag	cagtatcg	agggtgcagg	240
atattagaaa	tggctactcc	ccagtcattt	ttcatcttt	aatctgcat	tttaatgata	300
acagaattaa	ttctggcctc	aaaaagctac	tatgatatct	tagtgtgcc	aaaatcgca	360
tcagagcgcc	aaatcaagaa	ggccttcac	aagtggcca	tgaagtacca	ccctgacaaa	420
aataagagcc	cagatgtga	agcaaaaattc	agagagattt	cagaagcata	tgaaacactc	480
tcagatgtca	atagacgaaa	agagtatgtat	acacttggac	acagtgcgtt	tactagtggt	540
aaaggacaaa	gaggtgtgg	aagttcttt	gagcagtcat	ttaacttcaa	ttttgatgac	600
ttattnaaag	actttggctt	tttggtcaa	aacccaaaca	ctggatccaa	gaagcggttt	660
gaaaatcatt	tccagacacg	ccaggatggt	ggttccagta	gacaaaggca	tcatttccaa	720
gaattnnttt	ttggaggtgg	attatttgat	gacatgtttt	aagatatgg	gaaaatgttt	780
tcttttagtg	gttttgcact	taccaatcag	catacagtac	agactgaaaa	tagatttcat	840
ggatctagca	agcactgcag	gactgtca	caacgaagag	gaaatatgg	tactacatac	900
actgactgtt	caggacagta	gttcttattt	tatttcact	aaatccact	ggttgactct	960
tcctcattat	ctttgatgt	aaacaatttt	ctgtgaacta	ttttgacaag	tgcattgattt	1020
cactttaaac	aatttgcattat	agcttattaa	tatattttaag	ggttttttttt	ttttgacaaa	1080
ttcaacattc	aacgagtaga	caaaatgcta	attatttccc	tgatttaggaa	agtttctta	1140
aaaaacacgt	aattttgcct	agtgcctttt	ctctacctgc	ccttggggtc	actaatatca	1200
ccagtattat	taccaagaaa	atattgagg	tacctgatta	aactttaaaa	gttaatttgc	1260
gatttaaatt	gtgtgaaacct	aatgattttt	gcagtgaaac	ctttactaat	tcaaagtgc	1320
atgttctatg	acatctgtga	cttgcgttgc	agagtgtaca	tgaaactgta	taatttgc	1380
attcagtaaa	ggagaacagt	atcttggta	attgtactt	aaagggtttag	aaaggaatgg	1440
tttgatattt	accacagcgc	tgtgccttc	tacagtagaa	ctggggtaaa	ggaaatggtt	1500
ttattgcccc	tagtcattt	ggctggaaaa	aagttgaaaa	cttaacgaaa	tattgccaag	1560
agattgttat	gtgtttgggt	ccagcctaaa	aatgattttt	tagtgcgtt	atcatagcta	1620
cttacatagc	tttttccat	ttctttcttta	gttgcggca	ctcttaggtc	tttagtgc	1680
tttatgtgtt	tgtgtgtgt	tagtttatcc	tctctctcat	ctttatctat	agatttgc	1740
ataccctatt	ctgtttgtaa	aaccagccag	taatttctgt	gcaaccttac	tatgtgcata	1800
attttaaat	cctgagaaat	gtgtgccttt	gttttccggat	agacttattt	cttttagttct	1860
gcactttcc	acattatact	ccatatgagt	attaatccta	tggatcacata	ttaaaaacaag	1920
tgtctcatac	aacattgtat	gtgagagaaa	tataaatatt	tacaacctaa	aaaaaaaaaa	1980
aaaaaaaa						

Homo sapiens annexin A1, mRNA (cDNA clone MGC:5095 IMAGE:3459615), complete cds.

atttctcttt	agttctttgc	aagaaggtag	agataaaagac	acttttcaa	aatggcaat	60
ggtatcagaa	tccctcaagc	aggcctgggtt	tattgaaaat	gaagagcagg	aatatgttca	120
aactgtgaag	tcatccaaag	gtggtccccg	atcagcggtg	agcccctatc	ctaccttcaa	180
tccatcctcg	gatgtcgctg	cottgcataa	ggccataatg	gttaaagggtg	tggatgaagc	240
aaccatcatt	gacattctaa	ctaagcgaaa	caatgcacag	cgtcaacaga	tcaaagcagc	300
atatctccag	gaaacaggaa	agccccctgg	tgaaaacactg	aagaaaggccc	ttacagggtca	360
ccttgaggag	gttgggttag	ctctgctaaa	aactccagcg	caatttgatg	ctgatgaact	420
tcgtgctgcc	atgaagggccc	tttggactga	tgaagatact	ctaattgaga	tttggcatc	480
aagaactaac	aaagaaatca	gagacattaa	cagggtctac	agagaggaac	tgaagagaga	540
tctggccaaa	gacataacct	cagacacatc	tggagattt	cggaacgcct	tgctttctct	600
tgctaagggt	gaccgatctg	aggactttgg	tgtgaatgaa	gacttggctg	attcagatgc	660
cagggccttg	tatgaagcag	gagaaaaggag	aaaggggaca	gacgtaaacg	tgttcaatac	720
catccttacc	accagaagct	atccacaact	tcgcagagt	tttcagaaat	acaccaagta	780
cagtaagcat	gacatgaaca	aagttctg	cctggagtt	aaaggtgaca	ttgagaaatg	840
cctcacagct	atcgtaagt	gogccacaag	caaaccagct	ttctttcgag	agaagcttca	900
tcaagccatg	aaaggtgttg	gaactcgcca	taaggcattt	atcaggatta	tggttcccg	960
ttctgaaatt	gacatgaatg	atataaaagc	attctatcag	aagatgtatg	gtatctccct	1020
ttgccaagcc	atccctggatg	aaacccaaagg	agattatgag	aaaatctgg	tggctttttg	1080
tggaggaaac	taaacattcc	tttgcgtggc	tcaagctatg	atcagaagac	ttaattata	1140
tatccatc	ctataagctt	aaatagggaaa	gtttctcaa	caggattaca	gtgtagctac	1200
ctacatgctg	aaaaatata	cctttaatc	attttata	tataactctg	tataatagag	1260
ataagtccat	ttttaaaaaa	tgtttcccc	aaaccataaa	accctataca	agttgttcta	1320
gtaacaatac	atgagaaaaga	tgtctatgt	gctggaaaata	aatgacgtc	acaagacaaa	1380
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa			1408

Homo sapiens peroxisomal D3,D2-enoyl-CoA isomerase, mRNA (cDNA clone MGC:3558 IMAGE:3608151), complete cds.

.gagccggcca	agggatggcg	atggcgtact	tggcttggag	actggcgccg	cgttcggtc	60
cgagttctct	gcaggtcact	agtttcccg	tagttcagct	gcacatgaat	agaacagcaa	120
tgagagccag	tcagaaggac	tttggaaaatt	caatgaatca	agtgaaactc	ttgaaaaagg	180
atccagggaa	cgaagtgaag	ctaaaactct	acgcgtata	taaggcaggcc	actgaaggac	240
cttgtaaca	atccaaacca	ggtgtatTTT	acttgatcaa	caaggccaaa	ttggacgcac	300
ggaatgccct	tggcagccct	cccaaggaag	ctgcccaggca	gaactatgt	gattttgtgt	360
ccagttttag	tccttcattt	gaatcctcta	gtcaggttga	gccttggaa	gacaggaaat	420
caactgggtt	tgaaactctg	gtgggtaccc	ccgaagatgg	catcacaaag	atcatgttca	480
accggccaa	aaagaaaaat	gccataaaca	ctgagatgt	tcatgaaatt	atgcgtgcac	540
ttaaagctgc	cagcaaggat	gactcaatca	tcactgtttt	aacaggaaat	ggtgactatt	600
acagtagtgg	aatgtatctg	actaacttca	ctgatattcc	cccttgggtt	gtagaggaga	660
aagctaaaaa	taatggcgtt	ttactgaggg	aattttgtgg	ctgtttata	gattttccct	720
aggcctctgat	tgcagtggtc	aatggtccag	ctgtgggcatt	ctccgtcacc	ctcccttgggc	780
tattcgatgc	cgtgtatgca	tctgacaggg	caacattca	tacaccattt	agtcacccat	840
gccaaggatcc	ggaaggatgc	tccttcttaca	cttttccgaa	gataatgagc	ctagccaaagg	900
caacagagat	gcttattttt	ggaaagaagt	taacagcggg	agaggcatgt	gctcaaggac	960
ttgttactga	agttttccct	gatagcactt	ttcagaaaga	agtctggacc	aggctgaagg	1020
catttgcaaa	gcttccccca	aatgccttga	gaatttcaaa	agaggtaatc	aggaaaggag	1080
agagagaaaa	actacacgct	gttaatgctg	aagaatgca	tgtccttcag	ggaagatggc	1140
tatcagatga	atgcacaaat	gctgtggtga	acttcttata	cagaaaaatca	aaactgtgat	1200
gaccactaca	gcagagtaaa	gcatgtccaa	ggaaggatgt	gctgttacct	ctgatttcca	1260
gtactggAAC	taaataagct	tcattgtgcc	ttttgttagt	ctagaatatc	aattacaatg	1320
atgatatttc	actacagctc	tgatgaataa	aaagtttgt	aaaacaaaaa	aaaaaaaaaa	1380
aaa						1383

*Homo sapiens kallikrein 8 (neuropsin/ovasin), transcript variant 1, mRNA
(cDNA clone MGC:50513 IMAGE:5742016), complete cds.*

cgcccccttgt	gatgtcaggg	gcgcagtagc	tccgcccacg	tggagctcg	gcggtgtaga	60
gctcagcccc	ttgtggcccc	gtcctggcg	tgtgctgggt	ttgaatcctg	gcggagacct	120
ggggggaaat	tgaggggaggg	tctggatacc	tttagagcca	atgcaacgg	tgattttca	180
gtaaacgcgg	gaaacctcac	tttctttctg	cctgagctgt	gagatgagt	gagagcaa	240
gggtggcg	tgaagggcag	atgagggAAC	cggtaccGCC	ttgcaactCC	cccttaaACC	300
cctatgttcc	agttcccaga	agctccca	gctctagtgc	aggaggagaa	ggaggaggag	360
caggaggtgg	agattcccag	ttaaaaggct	ccagaatcgt	gtaccaggca	gagaactgaa	420
gtactggggc	ctcctccact	gggtccgaat	cagtaggtga	ccccccccc	ggattctgga	480
agacctcacc	atggacgcc	cccgacctcg	tgcggccaag	acgtggatgt	tcctgctctt	540
gctgggggg	gcctggcg	gacactccag	ggcacaggag	gacaagggtgc	tgggggtca	600
tgagtgc	cccattegc	agccttggca	ggcggcctt	ttccagggccc	agcaactact	660
ctgtggcggt	gtccttgc	gtggcaactg	ggtccttaca	gctgcccact	gtaaaaaacc	720
gaaatacaca	gtacgcctgg	gagaccacag	cctacagaat	aaagatggcc	cagagcaaga	780
aatacctgtt	gttcagtcca	tcccacaccc	ctgtacaac	agcagcgtat	tggaggacca	840
caaccatgtat	ctgatgttcc	ttcaactgcg	tgaccaggca	tccctgggt	ccaaagtgaa	900
gccccatcagc	ctggcagatc	attgcaccca	gcctggccag	aagtgcacccg	tctcaggctg	960
gggcactgttc	accagtcccc	gagagaattt	tccgtacact	ctcaactgt	cagaagtaaa	1020
aatctttccc	cagaagaagt	gtgaggatgc	ttaacccgggg	cagatcacag	atgtcatgtt	1080
ctgtgcaggg	agcagcaaag	gggctgacac	gtgccaggc	attctggag	gccccctgg	1140
gtgtgatgtt	gcactccagg	gcatcacatc	ctggggctca	gaccctgt	ggaggtccga	1200
caaaccctggc	gtctatacca	acatctgccc	ctacctggac	tggatcaaga	agatcatagg	1260
cagcaagggc	tgattctagg	ataagcacta	gatccctt	aataaaactca	caactctcaa	1320
aaaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1377

Homo sapiens RTN2-A (RTN2) mRNA, complete cds.

ccggggagga	ggaggcggcg	agaatggcag	cggcgtcgt	ggcgccgcgg	agatgagcgc	60
cccgacccc	gggcccaggg	cggcacagcc	ggagtggcg	gggtcccg	tgcaggcccc	120
aggggggcca	tggggcaggt	cctgccggtc	ttcgccca	gcaaagaagc	tccgtctaca	180
gcctcctcaa	ctcctgattc	cacagaagga	ggaaacgacg	actctgat	tcgagagctg	240
cacacagccc	ggaaattctc	agaggaggac	gaggaggaga	ccacgtcga	ggactggggc	300
accccccggg	agctgacctt	ctcctacatc	gccttgatg	gtgttagtgg	ctccgggggc	360
cgcagggatt	caactgccc	ccgccccccgc	cccoaggggcc	gctcagtc	gaaaccacga	420
gaccagcacc	ctcagcccag	cctggcgac	agctggaga	gcatcccg	cctgagccaa	480
tcccccggagc	ctggacgacg	gggtgatcct	gacacccgc	ctccatccg	gcgcctctg	540
gaagacactga	ggcttcgg	ggaccatctg	ggctgggtgg	cccgggaa	ggatccggg	600
gaggactctt	ccaccagcag	ctccaccccg	ctgaaagacg	aagaacccca	agaacccaaac	660
agattggaga	caggagaagc	tggggaaagaa	ctggacctac	gactccgact	tgctcagccc	720
tcatcgcccc	aggcttgac	tccccagctc	agtccggct	ctgggacacc	ccaggccgg	780
actccgtccc	catcccgatc	gcgagattcg	aactctggc	ccgaagagcc	attgctggaa	840
gaggaagaaa	agcagtgggg	gccactggag	cgagagccag	taaggggaca	gtgcctcgat	900
agcacggacc	aattagaatt	cacggtgagg	ccacgcctc	taggaacagc	tatggaatgg	960
ttaaagacat	cattgctttt	ggctgtttac	aagacggtc	caattttgga	attgtccca	1020
cctctgtgg	cagccattgg	ctgggtccaa	aggggccccca	ccccccctac	tcctgtcctc	1080
cgggttctac	tgaagtggc	aaaatccccg	agaagcagcg	gtgtccccag	cctctcactc	1140
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ggagtggtot	tcacaggcct	gatggctc	ctcctctgc	tcctgcactt	tagcatcg	1260
tccgtggccg	cgcaattggc	tctgttgc	ctctgcggca	ccatctct	cagggtttac	1320
cgc当地gtgc	tgcaggccgt	gcaccggggg	gatggagcca	accctttcca	gctctac	1380
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cgc当地gtgc	cggcggccac	gcagctgcgg	cactcttcc	tggtagaaaga	cctctgtggat	1500
tccctcaagg	tggccctcct	cttctacatc	ttgaccttcg	tgggtgc	cttcaatgtt	1560
ttgactcttc	tcattctggg	agtgatttgt	ctattcacca	tcccccgt	gtaccggcag	1620
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cggcccccggc	ctttccccgg	tgggtgtcag	gatca	actaggact	ctgcgcta	1920
tacctgagcg	accaggacta	catttccaa	gaggctctgc	tccaggagtc	cagaaagac	1980
gaggcacctt	ggccgcgggg	cctgctgg	ctttagtt	cctagacagg	gcaccaccc	2040
gcacttccgg	acccggccgt	ggaggcgc	tgaggcgtt	gtgtctct	gatgtacta	2100
gcccccaacgc	cggggcttt	catggggccc	agggaggcc	tgagcttga	tttacactgt	2160
aataaaagact	cctgtggaaa	aaaaaaaaaa				2190

Human mRNA for KIAA0188 gene, partial cds.

ccacgcgcgg	cgccgctcgg	tgcagaccat	gaattacgtg	gggcagttag	ccggccaggt	60
gttgcacc	gtgaaggagc	tctacaaggg	gctgaatccc	gccacactct	cagggtgcata	120
tgacatcatt	gtcatccgcc	agcccaatgg	aaacctccaa	tgctccctt	tccacgtccg	180
cttggaaag	atgggggtcc	tgcgtcccc	agagaatgg	gttgcacatag	aatcaatgg	240
ggaatctgtg	gatttcata	tgaaaattggg	agataatgg	gaagcatttt	tttgtcaaga	300
aacagataat	gatcaggaag	ttatccctat	gcacctggcc	acctccccca	tcctgtcaga	360
aggagcttcg	agaatggaaat	gccagctgaa	aaggggctct	gtggacagga	tgagaggcct	420
ggaccccagc	acgcacgccc	aagtgategc	tcccagcgag	acgcgcgtca	gcagctgtgt	480
agtaaagaag	agaagaaaaa	ggaggagaaaa	gtcacagctg	gacagcctga	agagagatga	540
caacatgaac	acatctgagg	atgaggacat	gttcccacat	gagatgagct	cggatgaggc	600
catggagctg	ctggagagca	gcagaactct	tcctaattat	atacctccat	tccaagatga	660
tattccttag	gaaaacctct	ccctggctgt	gatttaccct	cagtcaggct	cataccctaa	720
ttcggataga	gagtggtcac	ccactcccg	tccttccgt	tcccgcac	caacacctaa	780
aagtgattca	gaattggtca	gcaagtccac	ggaaaggaca	gggcagaaga	acccagaaat	840
gcttggctg	tggggagagc	tgccgcaggc	tgctaagtct	tcttctccac	acaagatgaa	900
agagtccagc	ccatttagca	gtagaaaaat	ttgtataaa	agtcactttc	agggcattca	960
cagcgaatct	tcagacactt	tttagtgcacca	atcgccaaact	ctggtcgtg	gggcactttt	1020
ggaccagaac	aagcctcaga	cagaaatgca	gtttgtgaat	gaagaagacc	tggagacctt	1080
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agtccagaca	gcaaaacaaga	cggattctcc	ttccaggaaa	agagataaac	gaagccgaca	1200
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cctgtatccc	cccaaaaaacg	gagatccttc	cggactcgca	aaacatgcaa	gcgacaacgg	1320
agcccggtca	gccaaccagt	ccccgcagtc	ggtgggcagc	tcgggcgtgg	acagtggcgt	1380
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cctcagcgcac	caccgggaga	tcacgaaaaga	tgcattctg	gagcaagctg	tgtcatatca	1500
acagtttgc	gacaaccccc	ctattatcga	tgaccccaat	ctcgtgtttaa	agattgggag	1560
taaatattat	aactggacaa	cagcagcacc	cctcctctg	gcaatgcagg	ccttccagaa	1620
accttgcac	aaggccactg	tgaaatctat	catgagggat	aaaatgcaca	aaaagggagg	1680
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gcagtgcctt	gctggcaagg	cccatagcac	cgagagagca	ccgcgcgcagc	tcaagtggc	1800
caccaggta	aagcatgaat	catcctccag	tgatgaggag	cgcgagctg	ccaagccatc	1860
aaacgcagggc	cacccccc	ttctgcctaa	tgtcagctac	aagaagactc	tccggctgac	1920
ttccgagcag	cttaaaagct	tgaagttgaa	gaatggcccc	aacgacgtgg	ttttcagtgt	1980
caccacgcag	taccaaggca	cgtgccgtg	tgagggcacc	atctatctgt	ggaactggga	2040
tgataaaagtc	atcatttctg	atattgtatgg	gacaattacc	agatcagata	ctttggcca	2100
catttgccc	accctggga	aggattggac	ccatcagggc	atcgctaagc	tgtaccataa	2160
agtgagccag	aatggatata	aatttctata	ctgttctgc	cgtccatcg	ggatggcgga	2220
catgacgcgg	ggctacctgc	actgggtcaa	cgagaggggc	acggtgcgtc	cccaggggccc	2280
cctgctgctg	agtccagca	gccttcttc	tgccctgcac	agagaagtga	ttggaaaagaa	2340
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agaaccctt	tatgctgctt	ttggaaacccg	accagctgat	gtgtattcat	acaagcaagt	2460
aggagtgtot	ttgaatagaa	tatttaccgt	caaccctaaa	ggagagctgg	tacaggaaca	2520
tgcaaagacc	aacatctctt	cgtatgtgag	actctgtgaa	gtagtcgacc	acgttttccc	2580
gttgcgtaaa	agaagccatt	tttcagactt	tccctgttgc	gataccttca	gtaacttcac	2640
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gctgtccccc	cctaggacag	ggtcaatcga	ggaatgccag	atgtgcacgg	tttttggcaa	3120
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gagggctgtg	aaggctcatg	tgacctggat	ctgaggtctc	tgatagaaat	ctggacgcaca	3240

ccgggtccag	gcctggcctc	agacttggcc	ttgtggatgg	gccccttaca	gtatTTGCTG	3300
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cagcacaccc	tgcaGGCGGA	gtttttagag	gatgcaattt	tggatcccg	atTTTGTGT	4740
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tctggcttct	gaaagtgaga	tttgtatatg	ggctgcactc	acgcatatac	gagttggttt	4920
atctttgtgt	acatgactat	aaccctgtga	tgctgaggc	atgtgctgg	atgctgtatt	4980
tggaccacac	atttcaaagt	tgccctatgg	aatgaatcc	tacttagtga	caagtcatca	5040
aatgtttgtc	acatgtgatg	aagacaaaata	tgtatacctg	gcatagagaa	aaatatatac	5100
ctggtagatt	ggagaaaaat	aattacactt	tcaaagagaa	ttcccttgc	aattttatgt	5160
ttggatcacc	actgtaaagca	cacttttattt	gcatttgatc	tgtatttga	tatgctgtatg	5220
caatgataaa	aatcactgt	atacttcatt	gtgttgtact	ggatgcaaag	ctagaaaata	5280
ttgcaataaa	tgagaccat	gaaagac				5307

Homo sapiens 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble), mRNA (cDNA clone IMAGE:2819708), partial cds.

cactcccttt	cctctgctgc	cgctcggtca	cgcttgcgcc	cgaaggagga	aacagtgaca	60
gacctggaga	ctgcagttct	ctatccttca	cacagcttt	tcaccatgcc	tggatcaatt	120
cctttgaatg	cagaagcttg	ctggccaaa	gatgtggaa	ttgttgcct	tgagatctat	180
tttccttctc	aatatgttga	tcaagcagag	ttggaaaaat	atgatggtgt	agatgctgga	240
aagtataccca	ttggottggg	ccaggccaag	atgggcttct	gcacagatag	agaagatatt	300
aactctcttt	gcatgactgt	ggttcagaat	cttatggaga	aaaataaacct	ttcctatgat	360
tgcattgggc	ggctgaaagt	ttgaacagag	acaatcatcg	aaaaatcaaa	gtctgtgaag	420
actaatttga	tgcagctgtt	tgaagagct	gggaatacag	atataagaagg	aatcgacaca	480
actaatgcat	gctatggagg	cacagctgt	gtctcaatg	ctgttaactg	gattgagtcc	540
agctcttggg	atggacggta	tgcccctggta	gttcaggag	atattgcgt	atatgccaca	600
ggaaatgcta	gacctacagg	ttggagttgga	gcagtagctc	tgcttaattgg	gccaaatgct	660
cctttaattt	ttgaacgagg	gtttcgtgg	acacatatgc	aacatgccta	tgatTTTAC	720
aagcctgata	tgctatctga	atatcctata	gtagatggaa	aactctccat	acagtgcata	780
ctcagtgcata	tagacccgtg	ctactctgtc	tactgaaaaa	agatccatgc	ccagtggcag	840
aaagagggaa	atgataaaaga	ttttaccttgc	aatgattttg	gtttcatgt	cttcaetca	900
ccatatttgc	aactggttca	gaaatctcta	gctcgatgt	tgctgaatga	cttccttaat	960
gaccagaata	gagataaaaaa	tagtatctat	agtggctgg	aagccttgg	ggatgttaaa	1020
tttagaagaca	cctactttga	tagagatgtg	gagaaggcat	ttatgaaggc	tagctctgaa	1080
ctcttcagtc	agaaaaacaaa	ggcatcttta	cttgcataa	atcaaaatgg	aaatatgtac	1140
acatcttcag	tatatggttc	cttgcatact	gttctagcac	agtactcacc	tcaagcaatta	1200
gcagggaaaga	gaattggagt	gtttcttat	gttctgggt	tggctgccac	tctgtactct	1260
cttaaagtca	cacaagatgc	tacaccgggg	tctgccttg	ataaaataac	agcaagttta	1320
tgtgatctta	aatcaaggct	tgattcaaga	actgggtgg	caccagatgt	cttcgctgaa	1380
aacatgaagg	tcaagagagga	cacccatcat	ttggtcaact	atattcccc	gggttcaata	1440
gattcactct	ttgaaggaac	gtggtactta	gttaggggtgg	ataaaaagca	cagaagaact	1500
tacgctcggc	gtcccactcc	aatatgtgac	actttggatg	aaggagttagg	acttgcata	1560
tcaaacatacg	caactgagca	tattccaagc	cctgccaaga	aagtaccaag	actccctgccc	1620
acagcagcag	aacctgaagc	agctgtcatt	agtaatgggg	aacattaaga	tactctgtga	1680
ggtgcaagac	ttcagggtgg	ggtggccatg	gggtgggggt	atgggaacag	ttggaggaat	1740
gggatatactg	gggataattt	taaaggatta	catgttatgt	aaatttttat	gtgactgaca	1800
tggagcctgg	atgactatcg	tgtacttggg	aaagtcttt	tgctctat	gtgcacatgc	1860
ttccctgttgc	ggtctggcca	atgccaaatg	tactcgaatg	atgttaaggg	ctctgtaaaa	1920
cttcataacct	ctttggccat	ttgtatgcat	gatgtttgg	ttttaaacat	ggtataatga	1980
atgtgtact	tctgtcagaa	gaaagcagag	gtactaatct	ccaattaaaa	aattttttaa	2040
catgtaaaaa	aaaaaaaaaa	aaaaaaaaaa				2068

Homo sapiens S100 calcium binding protein A14, mRNA (cDNA clone MGC:11012
IMAGE:3640899), complete cds.

agatcatgag	ccatcagctc	ctctggggcc	agctata	tagga	caacagaact	ctcaccaaa	60
gaccagacac	agtgggcacc	atgggacagt	gtcggtcagc	caacgcagag	gatgctcagg		120
aattcagtga	tgtggagagg	gccattgaga	ccctcatcaa	gaactttcac	cagta	cgtccg	180
tggagggtgg	gaaggagacg	ctgacccctt	ctgagctacg	ggacotgtc	acc	caggcagc	240
tgccccatct	catgcccagc	aactgtggcc	tggaagagaa	aattgccaac	ctggc	cagct	300
gcaatgactc	taaaactggag	ttcaggagtt	tctggagct	gattggagaa	gcgc	ccaaga	360
gtgtgaagct	ggagaggcct	gtccggggc	actgagaact	ccctctgaa	ttcttgggg		420
gtgttgggg	gagactgtgg	gcctggaaat	aaaacttgtc	tcctctacaa	aaaaaaa	aaaaaaa	480
aaaaaaaaaa							489

Homo sapiens cDNA clone:ADBALE09, 5'end, expressed in human adrenal gland.

aaaatatcat	ggattgaacc	tcatcaattg	atagcagtga	gtgactgaag	cttccaaatc	60
aagaaaagcc	ggcaccaaga	acttccatTC	taatcttagag	ctgaccagtt	ttagctgatt	120
ctctcttga	agagtccTtc	ttgattgcag	tgcagtactg	gcatttctga	atggatgtaa	180
gtggaggatt	ttagtctaaa	ggctttcaa	attacttgaa	tttttttaaa	aattgaggag	240
ctttattttt	atttaccctt	ccatTTTGT	atataaaatt	tccattgtca	ttaaaaactg	300
tatcttgaaa	cTTTgtgaac	tgacttgctg	tatttgact	ttgagcttt	gaaataaaatg	360
tgatttttG	gtgataaaaa	caaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	420
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aactcgctg	ggccgaattt	ggcacgagcc	480
acccaccacc	tttggcacag	ccccttGtt	tttacaccaa	taccaagaat	taaaaaaaaaa	540
gccttggcag	tttcaGtt	taaaccagac	tccttgcgg	gaacccaacc	cgnCACCCtG	600
ctggcctccg	tc					612

as43b01.x1 Barstead aorta HPLRB6 Homo sapiens cDNA clone IMAGE:2319913 3', mRNA sequence.

tttaaaaaac	aaactgc当地	atggtat当地	tttacattaa	aacatgaatt	gcctgtatac	60
acacaatata	aagaggaaca	atctgttatg	cacaataact	gtaatattta	gtacatgtta	120
tacacagcag	tatctgttaa	gtcagtggtt	tgagtgaaa	cacagtacca	aaacattcct	180
gatacaaaaat	aagttactca	ttcacatatt	ctaatcatac	aagacactta	atattttaaa	240
agttacatac	ttcaaataaac	actggctaaa	tgtacaacta	aagtttatta	atttttttta	300
tgaaaagact	tcagattgtt	attcataaaat	gatcccttgc	aggatgcatt	atctttttaaa	360
taaataaact	aaattgactt	caagactatt	tataaatagc	ccactaaaat	atgattgaag	420
acattccttc	attttattaa	ggtgttagcta	tatactagag	aatatgctca	actactgcct	480
ccaaatccaa	cactgtcatt	ctaattgc当地	atagaattta	ttaaattc当地	cttcaggaca	540
tgagatgagc	tgcctgc当地	attttgtcaa	tggttccaaa	gcattaacgg	attaagagac	600
tgc						603

Homo sapiens drebrin 1, transcript variant 1, mRNA (cDNA clone MGC:1517
IMAGE:3356428), complete cds.

ccgaggcggc	ggcggcgact	ccctttcc	ctccctcc	ctccgtccgc	ccgtccgtcc	60
gcgcgtctgt	ccgttccggcc	cggtccggcc	cgaagcatgg	ccggcgtcag	tttcagcggc	120
caccgcctgg	agctgtggc	ggttacgag	gaggatgcc	gagaggagag	cgccggccgac	180
tgggctctgt	acacatatga	agatggctcc	gatgaccta	agttgcagc	atcaggagaa	240
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agtgtcaagg	actcccaagc	tgctctgcca	aaatacgtc	tcatcaactg	gttggcgaa	360
gatgtgcctg	atgcccggaa	gtgcgttgt	gccagccacg	tggctaagg	ggcagagttc	420
ttccagggtg	tcgacgtgat	cgtgaacgcc	agcagcgtgg	aagacataga	cgccgggtgcc	480
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cggctgcag	aggatgagaa	cgccagagccc	gtggccacca	cctaccagaa	gacggatgca	600
gctgtggaaa	tgaagcgat	taaccgagag	cagtctggg	agcaggccaa	gaaggaagaa	660
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aacccaaggg	agttttctaa	gcagcaggaa	agatcgcat	cgccctctgc	ggcagctgt	1020
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tttctctttt	tttaaaaagt	tgtatggaga	cttgcacat	tgactggctt	tcctctcggt	2280
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atatacttt	gtattctctg	tccagggtt	cagatattt	gcacgaattt	taaaacatgg	2520
caataaatgg	ctcgtgggct	ctggcaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2580
aaaaaaaaaa	aaa					2593

Homo sapiens potentially prenylated protein tyrosine phosphatase hPRL-3 mRNA, complete cds.

aagagttggg ttttctttt	taattatcca aacagtgggc	agttccctcc cccacaccca	60
agtatttgc acaatattgt	gcggggtatg ggggtgggtt	tttaaatctc gtttcttgc	120
gacaaggcaca	gggatcttgt ttcctcatt	ttttgggggt gtgtgggac ttctcaggtc	180
gtgtccccag	ctttcctgc agtccccttct	gccctggcg gcccgtcggg aggccatg	240
gtcggatga	accggccggc cccgggtggag	tgagactaca aacacatgcg ctttcctcatc	300
acccacaacc	ccaccaaaccgc cacgctcagc	accttcattt aggacctgaa gaagtacggg	360
gttaccactg	tggtgctgtgt	gtgtgaagt acctatgaca aaacgcccgt ggagaaggat	420
ggcatcaccg	ttgtggactg	gccgtttgac gatggggcgc ccccgctgg caaggttagt	480
gaagactggc	tgagcctgg	gaaggccaag ttctgtgagg ccccccggcag ctgcgtggct	540
gtgcactgcg	tggcgggcct	ggggcgggct ccagtcattt tggtcgctggc gcttatttag	600
agcgggatga	agtaoggagga	cgccatccag ttcatccgccc agaagcggcg cggacgcata	660
aacagcaagc	agctcaccta	cctggagaaaa tacoggccca aacagaggt gcgttcaaa	720
gacccacaca	cgcacaaagac	ccggtgctgc gttatgtagc tcaggacatt ggctgggcct	780
ggtcgtcatg	tagtgcagga	ccttggctgg acctggaggcc cctgcccagcc ctgcctgc	840
cagcccagca	gggctccagg	ccttggctgg cccacatcg cttttccctt cccgacacacct	900
ccgtgcactt	gtgtccgagg	agcgaggagc ccctcgccgc ttgggtggc ttctgggccc	960
tttctctgt	ctccgtactc	cctctggcg cgctggcgtg gctctg	1006

Homo sapiens cell cycle progression restoration 8 protein (CPR8) mRNA, complete cds.

gaattcgc	aa agatgctaaa gagagaactg gagagagaac gactagtaac tacggctt	60
aggggggaa	c tccagcagtt aagtggtagt cagttacatg gcaagtcaga ttctcccaat	120
gtatatact	g aaaaaaaagga aatagcaatc ttacggaaa gactcactga gctggAACGG	180
aagctaacc	t tcgaacacagca gcgttctgtat ttgtggaaa gattgtatgt tgaggcaaaa	240
gatcaa	atg gaaaacaagg aacagatgga aaaaagaaa ggggcaggagg aagccacagg	300
gttaaaata	agt ccaaaggg aacatTTTG ggTTcagTTA aggaaacatt tgatGCCatG	360
aagaattct	a ccaaggagtt tgtaaggcat cataaaagaga aaattaAGCA ggctaaAGAA	420
gatgtgaagg	aaaatctgaa aaaattctca gattcagTTA aatccactt cagacactt	480
aaagatacc	a ccaagaatat ctTtgatgaa aaggtaata aaagattaa tgctacaaaa	540
gaagcagct	g aaaaaccaag aacagtTTT agtgactatt tacatCCACA gtataaggca	600
cctacagaaa	accattcaag gcccTactat gcaaaaaagat ggaaggaga aaagccagTT	660
cactttaaag	aattcagaaa aaatacAAAAT tcaaaAGAAAT gcaGTCCTGG gcatgattgt	720
agagaaaatt	ctcattctt cagaaaggct tgTTCTGGT tatTTgattg tgctcaacaa	780
gagtccatg	ga gcTTTTAA cacagtggTg atccTataa ggatggatgaa atttagacag	840
ataattcaaa	ggTACATGTT AAAAGAACTG gataCTTTT gTCGCTGAA CGAACTTGAT	900
cagttcatca	ataaggTTT CCTAAACGGT gTCTTatac atgatcagaa gcttCTCact	960
gactttgtt	a atgatgttAA gattatCTTA ggaaACATGA aggaatATGA agtagataat	1020
gatggagtat	t tgagaagtt ggtGAATAT atatATAGAC acttCTTGG tcacactTTT	1080
tcccCTCCat	atggacCCAG gTCGGTTAC ataaaACCgT gTCATTACAG tagTTGTaa	1140
catttgtaga	t tggatacga ttttatgat ttgatgagTT tCTTGTAAgg ttaccGTTc	1200
taagagttt	g CTTTATGGC cactgagaga attcagaATA aattgAAAAGA tggagtctaa	1260
aaattattag	c tggTACAAA tggacaATT tcattataAC gtgatcaCTT tgacttgAGC	1320
aaatggTTT	a ttttATCT taAAATCAGT taAGAAATAA taaaATCCTA CCTTGGCCA	1380
agtttGTTT	c tttcattat agtttataTG AAAAGATCAC CTTAAGTgAA attTTTTCC	1440
ttatTTCT	t ttaatTTTT atgtatttAT tcacttCTGG aagCTAGGAA tgAGCAACAC	1500
aaatTTACT	c tgaagtcaG aagAGCTCAT atatATAATT otaatgtccc acctatgtcc	1560
attccatgt	a ccAGTTAGT tatataCTAG tcacataATT atCTTGTATA aaggTAGAGG	1620
cacaaagagg	c aaACTAACA agtCAAATTC taATGTGTGT actTCATAAT aTTTTTAT	1680
ccatTTcat	c ttCTTATC tttatATTCT gtaACATgAA acttACCTAA tCTTCAAATG	1740
ttagCTTcat	t ttttacCTT tggAAataCTT aatCTTCTG aataAAATAA atgTCTATA	1800
aaaaaaaaaaa	a aaaaaaaaaaaa aaaaaaACCG tcgAAAAGCG gCCGCCACCG cgtgGA	1856

Human channel-like integral membrane protein (CHIP28) mRNA, complete cds.

gcacCCGGCA	gcggTCTCAG gccaAGCCCC ctGCCAGCAT ggCCAGCGAG ttcaAGAAAGA	60
agCTCTTCTG	gaggGCAGTG gtggCCAGt tcCTTGGCCAC gaccCTCTT gtCTTCATCA	120
gcATCGGTTC	t gcccTGGGC ttCAAATACC CGGTGGGGAA caACCAGACG gCGTCCAGG	180
acaACGTGAA	ggTGTcGTG TG GCCTTCGGC tgAGCATEGC cacGCTGCG cAGAGTGTGG	240
gccACATCAG	cgGCGCCAC ctCAACCCGG ctGTcACACT ggggCTGCTG ctCAGCTGCC	300
agatCAGCAT	ctTCCGTGCC ctCATGTACA tcATCGCCCA gtGCGTGGGG gCCATCGTCG	360
ccACCGCCAT	c CTCTCAGGC ATCACCTCT CCCTGACTGG gaACTCGCTT gGCCGCAATG	420
acCTGGCTGA	t ggTGTGAAC tCGGGCCAGG gCCTGGGCAt cgAGATCATC gggACCCtCC	480
agCTGGTGT	atgcGTGCTG gCTACTACCG ACCGGAGGCG CGTgACCTT ggtggCTCAG	540
ccccCTTGC	c ATCGGCCTC tCTGTAGCCC ttggACACCT CCTGGCTATT gACTACACTG	600
gCTGTGGGAT	t AACCTGTCT CGGTCTTTG gTCCTGGCGGT gATCACACAC aACTTCAGCA	660
accACTGGAT	t TTCTGGGTG gggcATTCA tCGGGGGAGC CCTGGCTGA CTCACTACG	720
attCTACCT	tttccacgc AGCAGTgACC tcACAGACCG CGTGAAGGTG tggaccAGCG	780
gCcAGGTGGA	ggAGTATGAC ctggatGCCG acgACATCAA CTCCAGGGTG gagATGAAGC	840
ccAAATAGAA	ggggTCTGGC CCGGGCATCC ACgtAGGGGG CAGGGGCAAG gggggggcGGA	900
gggAGGGGAAG	gggtGAAATC CATACTGTAG acACTCTGAC aAGCTGGCA aAGTCACCTC	960
ccCAAGATCT	gCCAGACCTG catGGTCAAG CCTTTATGG gggTGTtCT atCTTTCT	1020
ttCTCTTCT	gtttCTTGGC CTCAGAGCTT CCTGGGGACC aAGATTACtA aATTCAcCCA	1080

ctcccttcaa gttgtggagg aggtgaaaga aagggaccca cctgctagtc gcccctcaga	1140
gcatgatggg aggtgtgcca gaaagtcccc cctcgccccca aagttgctca ccgactcacc	1200
tgcgcagaatgt cctgggattc taccgttaatt gctttgtgcc tttgggcacg gccttccttc	1260
tttcctaac atgcacatttg ctcccaatgg tgcttggagg gggaaagagat cccaggaggt	1320
gcagtggagg gggcaagctt	1340

Homo sapiens STRA6 isoform 1 mRNA, complete cds, alternatively spliced.

agtcccagac	gggctttcc	cagagagcta	aaagagaagg	gccagagaat	gtcgccccag	60
ccagcaggga	accagaccc	ccccggggcc	acagaggact	actcctatgg	cagctggcac	120
atcgatgagc	cccagggggg	cgaggagtc	cagccagagg	ggaaagtggcc	ctcctgccac	180
accagcatac	cacccggcct	gtaccacgcc	tgcctggcct	cgtgtcaat	ccttgtgtcg	240
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gcttttca	tggttcttct	gagctccotg	tgtttgcgtc	tcccccacga	ggacgcattg	420
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ggggtccagg	tctggcagag	ggcagagtgt	ccccagggtgc	ccaagatcta	caagtactac	660
tccctgtgg	cctccctgccc	tctcctgtcg	ggcctcgat	tcctgagcc	tttgttaccct	720
gtgcagctgg	tgagaagctt	cagccgtagg	acaggagcag	gctccaaggg	gctgcagagc	780
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gagccagata	tttttgttagt	ttttatgcct	ttggctatta	tgaaagaggt	tagtgtgttc	2640
cctgcaataa	acttggcc	gagaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2700
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aa			2732

Homo sapiens solute carrier family 7 (cationic amino acid transporter

gaggcatcaga	ccacagatcc	tggaaggcac	ttctctccct	gactgctgt	cacactgccg	60
tggaaacctg	cttatatcca	ggaccaaggaa	gtgagtggca	atgccaggaa	gctggtaag	120
ggtttcctct	cctccaccat	ggttgcacgc	actgagtatg	aagtggcctc	ccagcctgag	180
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aatgctccaa	tttcctgtct	ccttttagaga	gacatgaaac	tatcacaggt	gtggatgac	2040
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601440558F1 NIH_MGC_72 Homo sapiens cDNA clone IMAGE:3925214 5', mRNA sequence.

ttctaatctt tctctgggg gaacaggcca cagaactgtg tttagaggtga accatcttaa	60
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ctgctactt actaataag	

Human DNA for insulin-like growth factor II (IGF-2); exon 7 and additional ORF

ggaaacctcc	ccagatacc	cgtgggcaag	ttcttccaat	atgacac	ctg	gaagcagtcc	60
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cacatgcaca	cagcacat	ac	ac	ac	acacacaca	1620	
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nac79g07.x1 NCI_CGAP_Brn23 Homo sapiens cDNA clone IMAGE:3440820 3', mRNA sequence.

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Homo sapiens hypothetical protein MGC11256, mRNA (cDNA clone MGC:60219 IMAGE:6091291), complete cds.

gcggccggga	ggccggagca	gcacggccgc	aggacctgaa	gctccggctg	cgttttccc	60
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Homo sapiens cDNA clone IMAGE:3952627, partial cds.

caaaaatatct	gcattccaccc	ggagatgcag	ctaagtgggt	ccttatgtac	acaccacgtt	60
cacacacaca	cagagggacc	acgtgtcac	gcatgaccgt	gtgggtggcg	gcgtttgctg	120
tgaaccatgc	tcaggccaca	cagagacaca	tacttggtt	ctgggactga	gaccaggcc	180
tggcaggacc	gtgcctacag	atactgc当地	cgttccata	gcctagaggt	gcgtatacac	240
acccaagtac	acgcagccag	gcattcaggg	gtgtgttgc	cacatggagc	atcccttcct	300
ggcttgc当地	ggcacctgca	cagagcgtct	ccagccccat	ctccctaacgg	gggttgggg	360
taagagaaat	ctaactgcgc	tccccc当地	cctcgc当地	ccatcttccc	ctcaaggctg	420
ctaagttatc	ccaggcctgt	gcgtggtgg	aaaagccagc	cttggccctg	caggccac	480
ctcgccgctg	ggggaccaac	agggtgctt	cagcttgc当地	ccccggcatc	agcacagggg	540
tccctgc当地	accctccggc	agctcaggga	gtgtttcct	tgaggcctc	cccatcagt	600
ggaccagagg	gagaagcccg	atgccccatc	ccggcttcc	cgtaacgcac	aggacacgtg	660
tgcaattcat	aggaacggcc	cagatgc当地	tcatgagtgc	cacctggtag	agtaggtgg	720
cgctcacgtt	cctgccc当地	tgcagccat	cggggagtc当地	cagtcagtcc	ccccggccccc	780
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gagggtgccc	ggaggagctg	agccccgg	ggtgggtcc	tggtagccgg	tgtccaaagaa	1020
gccccccc	tggagcttc	tgcctccgt	ggccatctcg	ccccccccgt	gtggccgccc	1080
gggtgtggct	cagccatgtc	ccctccccag	gtccattt	cacccctccc	ctccccacag	1140
tggaaattgtt	gaagtgtggc	gagtctgtgc	tcgggacaat	aaagcttgc当地	acaggtccag	1200
gaccccgcc	aaaaaaaaaa	aa				1222

PT1.1_07_C06.r tumor1 Homo sapiens cDNA 5', mRNA sequence.

cnnggcntgc	aggaattctg	gnacgagtct	gggtccntgg	tttctctcca	tactcccttc	60
cttaggctcc	tgaactcggt	tgctcctaaa	tcttgtaat	tcttttctc	tggattttgg	120
tttcttttgg	cttcccttg	cctccccctt	tctctgtctc	caacactctt	tcccctatgtc	180
tttctggctg	tctctatgtt	ccttctctct	tatcctnaac	tttctgttcca	ttcgggcctc	240
ctcccnacct	cccacgcccc	agccccctccc	tccttggct	ccttttctgat	atgccaaacc	300
aattttgggt	cgagtgcatt	taacgagaac	anaacaaaag	gctcataaca	acaagaacgt	360
ttcagaaaaa	aacaaaaagg	gtttaaaaaaa	attgttgagg	tcaaaaaagg	caaancanta	420
anggaantta	ngnttcctt	gggaaaaaat	nnantntaaa	aaaanactng	gngggggggc	480
ccgggtaccc	naaattttgg	cccnatnag	gtgagccggg	nttncaatt	caacttggcc	540
ggncgnttt	acaaacgnnn	ggagccttgg	gnaaancct	nnggggtan	cccanccctn	600
ntncgncatt	tnaaggaaaa	nttccctntt	tnggccagga	ttggggaaat	tng	653

Homo sapiens cDNA FLJ12940 fis, clone NT2RP2005038, weakly similar to DNA NUCLEOTIDYLEXOTRANSFERASE (EC 2.7.7.31).

actcaactggg	gtttccttcc	gtctcgctcg	gagtttcctt	ctgcgttcgc	tccgcgtgc	60
tggaggctgt	cgtcccaatg	ctccccaaac	ggcgccgagc	gcgggtcggg	tcccttagcg	120
gcatatccgc	ttcctccacg	cgccccctcg	cgcgcttccc	gggagtcgcc	atctacctgg	180
tcgagccctcg	atgggttcgc	agccggccgg	ctttcttac	aggcctggcg	cgctccaaag	240
gttccgcgt	catttgcgtcc	tgcagctccg	aagcagacaca	tgttgtatg	gaagagacct	300
cacccagagga	ggccgtcagc	ttgcaggagc	gcaggatggc	agctgtccc	ccgggttgca	360
cccccccccgc	tctgtggac	ataagctgtt	taacagagag	cctgggagct	gggcagcctg	420
tacctgtgg	gtgcccgcac	cgcctggagg	tggctggcc	aaggaagggg	cctctgagcc	480
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gcctcctcac	tttctgcaga	gcagcctcg	tgctcaaggc	ccttcccaagc	cctgtcacaa	660
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ccagcaccac	caggacccat	gcacccca	cctgcggtcc	gatgtatgt	ccctgcagca	960
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ctgttctcag	cacaatgtct	aaaaatagg	tcatatctt	ccactccct	cgcagagccc	2220
ttaatgggt	ccaaacccatc	agtccacaca	tagccctgg	ctctggcatc	tctccagccc	2280
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atctacctgg	agtggccct	cccccttctc	aggccttgaa	tcaaaagcca	tttggtagg	2520
cgaggatttc	ccagaccact	catcacat	aaaaatattt	tg		2562

np60h03.s1 NCI_CGAP_Br2 Homo sapiens cDNA clone IMAGE:1130741 3', mRNA sequence.

atggtgtttcc	ctgagcggtt	gctgcgggtg	atggataactc	ttctgatact	ggctcttcgt	60
gctataattt	cttttctcac	caagagcagg	tgcctttca	gaaggaaatg	ggagtggagg	120
gagggtcaca	gaaacacctc	ggcactgggg	gaaacgtggc	ctagcctctg	gcgacggcga	180
gcagcggccc	gaagcgaagg	gggctgcggg	ccggcgccgg	ttcagaggtt	tcttttccg	240
cggacggaga	cactgtacag	cacaacctcg	ggaaaacgcc	aacgcccacg	ccttctccaa	300
caaaagatgg	cctcggactc	aagagtgcgg	ctccaggggca	atgcagcccc	aacctaaaga	360
tttagaggcc	tcccgtttcg	ctggccccc	gagccgccc	ccgggactgc	acttccccac	420
cgataaaagg	tggttccag	gttacctcc	tcagatggcg	gcggcggtc	ccgacggctt	480
actcaccagc	atccttcgcg	ggcgaaaaat	ctcggcaagg	cgccctcg	ccgaatcc	538

Homo sapiens ALL1-fused gene from chromosome 1q, mRNA (cDNA clone [MAGE:2823316]).

ggaagctatg	agggaccctg	ttagtagccca	gtacagttcc	tttcttttct	ggaggatgcc	60
catccccagaa	ctggatctgt	cggagctgga	aggcctgggt	ctgtcagata	cagccaccta	120
caaggtcaaa	gacagcagcg	ttggcaaaaat	gatcgggcaa	gcaactgcag	cagaccaggaa	180
gaaaaaccct	gaagggtatg	gcctccttga	gtacagcacc	ttcaacttct	ggagagctcc	240
cattgccagg	atccactcct	tgcgactgga	cttgcctctaa	ggccaagact	tctctctccc	300
atcaccttgc	cctcattgtc	ttccctctca	agcccttcc	tttccactcc	tttccctattt	360
taatcttgtt	ctctccctac	tgtgttggtt	gtgcgtatga	atctggcaga	gttgagttct	420
atgtatttat	ttatctatct	gtctactcca	tttctctcaa	aaggccctcaa	gtcacaaaagt	480
aaatggttca	agcaatggag	tactgggtca	caggattcc	tcctttcccc	cccaaataattt	540
aactccagaa	actaggcctg	actggggaca	cctgagagta	gtatagtagt	gcaaaaatgga	600
agactgatt	ttgactctat	tataatcagc	ttcagagatt	ccttaaacct	tcctaatttc	660
ctgctccagg	gcagtaaaaca	caaataatttc	ttcaaggggt	gatgaaaacc	tcggaagttt	720
taatttgagg	ttatctgcta	cgaaacagta	tttctaaaag	gctaaagtga	taagtctctt	780
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attttagaag	tagctattt	cttttctcaa	aagagtgtcc	cttcttcaca	cctactcact	960
ttacaacttt	gctcctaact	gtgggttcaa	aactctagct	aaagaaaagtt	atcaaatactt	1020
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taagtcctat	tttagccctta	cctcctgcat	ttgcaatacg	taatactgat	cagtgggcac	1140
agttcttcag	ctacatttag	accctgaaaat	gaacaattat	attctgactc	gacatcttgt	1200
cccccaatcc	tccaaaata	ttgatggtga	tttggctac	catttactcg	tttatttaat	1260
aaagacattc	aatccagga	aaaaaaaaaa	aaaaaaaaaa	aa		1302

Human mRNA for acetyl-coenzyme A transporter, complete cds.

gaattcgcag	cgagagctgg	agggttggg	tcgggagacc	agccattcga	tcccggcga	60
ggtaggagct	ggtttccatc	ctggcaccaac	ggcacacacc	tccagcctcg	agccggcgc	120
tgctgcccgg	gggtctccct	caggctctt	gacggccgttc	cagggggcac	ctatccaggc	180
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cttctgggg	ataccggcac	tggcgacttc	ttaaaagccc	cacagagctt	ccggggccgaa	600
ctaaggcgc	ttttgctact	actctttctt	tacgtgcttc	agggttattcc	cctgggcttg	660
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ctactggttt	ggtgactcc	taaagttagaa	catcaagggg	gattccctat	atattactat	1620
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ataatcagtg	cacaggagta	taaaatattt	tttaaaccat	cgaaatttaat	aatataaaat	2160
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gtatattaaa	ttttgttaca	atatataaaa	tggagaagag	cttgatattc	aggtaactaac	2460
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tttatgtgg	aatttgctga	gaaaagaata	tagactactg	aatgtcatt	ttagttattt	2580
ttcttatgac	cacattgtac	aatgaatct	gtgtaaaaaa	gactatttt	aatgttattt	2640
ctgctttgt	aagcattaaa	gatttgaatt	ccaccacact	gg		2682

Homo sapiens SDF2L1 mRNA for SDF2 like protein 1, complete cds.

gctggagccg	ggccggggcg	atgtggagcg	cgggcccgcgg	cggggctgcc	tggccgggtgc	60
tgtggggct	gctgctggcg	ctgttagtgc	cgggcgggtgg	tgccgc当地	accgggtgc当地	120
agctcgtgac	ctgcgggtcg	gtgctgaagc	tgctcaatac	gcaccacccgc	gtgc当地gtgc	180
actcgcacga	catcaaatac	ggatccggca	gccc当地	atcgggtgacc	ggc当地tagagg	240
cgtcggacga	cgc当地atagc	tactggcgga	tccgc当地gg	ctc当地ggaggc	gggtgccc当地	300
gc当地gtcccc	ggtgc当地tc	gggc当地ggcg	tgaggctcac	gcatgtgttt	ac当地ggcaaga	360
acctgcacac	gc当地ccacttc	cgctc当地ccgc	tgtccaacaa	ccaggaggtg	atgc当地tttgc	420
gggaagacgg	cgagggc当地ac	gacctggacc	tatggacagt	gctgc当地tct	ggacagcact	480
gggagcgtga	ggctgctgtg	cgcttacagc	atgtgggcac	ctctgtgttc	ctgtc当地gtca	540
c当地gggtgagca	gtatgaaagc	cccatccgtg	ggc当地catga	ggtccac当地gc	atgccc当地gtg	600
ccaacacgc当地	caatacgtgg	aaggccatgg	aaggcatctt	catcaaggct	atgtg当地ggagc	660
c当地ctgc当地	tcacgatgaa	ctctgaggtg	gtggatggat	gggtggatgg	agggtggc当地	720
gtggggcg当地	tgc当地ggcca	ctcttggcag	agactttggg	tttgtagggg	tcctcaagtg	780
c当地ttgtgat	taaagaatgt	tggtctatga				810

Homo sapiens RTN2-A (RTN2) mRNA, complete cds.

ccggggagga	ggaggcggcg	agaatggcag	cggcgctcg	ggcgccggcg	agatgagcgc	60
cccgacccc	ggcccccagg	cggcacagcc	ggagtggcg	gggttcccg	tgcaggcccc	120
agggggggcca	tggggcagg	cctgccgtc	ttcgcccact	gcaaagaagc	tccgtctaca	180
gcctcctcaa	ctcctgattc	cacagaagg	gggaacgacg	actctgattt	tgcagagctg	240
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cgcagggatt	caactgccc	cggccccccgc	cccoaggggcc	gctcagtc	gaaaccacga	420
gaccagcacc	ctcagccag	c当地ggcgac	agctggaga	gcatcccag	cctgagccaa	480
tcccccggagc	ctggacgacg	gggtgatcct	gacacccgc	ctccatccg	gcgcctctg	540
gaagacctga	ggcttcgg	ggaccatctg	ggctgggtgg	cccgggaa	ggatccggg	600
gaggactct	ccaccagcag	ctccaccccg	ctgaaagacg	aagaaccca	agaacccaac	660
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cagcccccgc	agccctctgg	ccccctccat	ctctgtccg	ttcccacca	ccccctcc	1860
cggcccgagc	cttttcccgg	tgggtgtcag	gatcactccc	actaggact	ctgcgcta	1920
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gcacttccgg	acccgcccgt	ggaggcgccg	tgaggcg	gtgtctctg	gatgtacta	2100
gcccccaacgc	cggggctt	catggggccc	aggggaggcc	tgagcttga	tttacactgt	2160
aataaagact	cctgtggaaa	aaaaaaaaaa				2190

Homo sapiens cDNA: FLJ22209 fis, clone HRC01496.

cgatgatgag	gctgaagaaa	aggaagacaa	agaagaagaa	aaagaaaaag	aagagaaaaga	60
gtcggaaagac	aaacctgaaa	ttgaagatgt	tggtctgtat	gaagaagaag	aaaagaaaacc	120
aaagactaaa	aaagtgaaa	aaactgtctg	ggactggaa	cttatgaatg	atatcgatca	180
taaactttcc	tatttatgt	tggagcagca	agactgaaac	tgttgaggag	cccatggagg	240
aagaagaagc	agccaaagaa	gagaagaaga	aatctgtat	tgaagctgca	gtagaggaag	300
aagaagaaga	aaagaaacca	aagactaaaa	aagtgaaa	aactgtctgg	gactggaaac	360
ttatgaatga	tatcgatcat	aaactttcct	atttatgtat	ggagcagcaa	gactgaaact	420
gttgaggagc	ccatggagga	agaagaagca	gccaaagaag	agaaagaaga	atctgtatgt	480
gaagctgcag	tagaggaaga	agaagaagaa	aagaaaccaa	agactaaaaa	agttgaaaaa	540
actgtctggg	actggaaact	tatgaatgt	atcgatcata	aactttccta	tttatgtatg	600
gagcagcaag	actgaaactg	ttgaggagcc	catggaggaa	gaagaagcag	ccaaagaaga	660
gaaagaagaa	tctgtatgt	aagctgcagt	agaggaagaa	gaagaagaaa	agaaacccaa	720
gactaaaaaa	gttggaaaaa	ctgtctggg	ctggaaactt	atgaatgata	tcgttcataa	780
actttcctat	ttatgtatgg	agcagcaaga	ctgaaactgt	tgaggagccc	atggaggaag	840
aagaagcagc	caaagaagag	aaagaagaat	ctgtatgt	agctgcagta	gaggaagaag	900
aagaagaaaa	gaaaccaaag	actaaaaaaag	ttgaaaaaac	tgtctggac	tgggaactta	960
tgaatgata	cgttcataaa	ctttcctatt	tatgtatgg	gcagcaagac	tgaaactgtt	1020
gaggagcccc	tggaggaaga	agaagcagcc	aaagaagaga	aagaagaatc	tgatgtatgaa	1080
gctgcagtag	aggaagaaga	agaagaaaag	aaaccaaaga	ctaaaaaagt	tgaaaaaact	1140
gtctgggact	gggaacttat	aatgtatatc	gttcataaac	tttccattt	atgtatggag	1200
cggcaagact	gaaactgttg	aggagccat	ggaggaagaa	gaagcagcca	aagaagagaa	1260
agaagaatct	gatgtatgt	ctgcagtaga	ggaagaagaa	gaagaaaaga	aaccaaagac	1320
taaaaaagtt	gaaaaaaactg	tctggactg	ggaacttatg	aatgtatatc	ttcataaaact	1380
ttcctattt	tgtatggagc	agcaagactg	aaactgttga	ggagccatg	gaggaagaag	1440
aagcagccaa	agaagagaaa	gaagaatctg	atgtatgt	tgcagtagag	gaagaagaag	1500
aagaaaaagaa	accaaagact	aaaaaaagt	aaaaaaactgt	ctggactgg	gaactttatg	1560
atgtatatcg	tcataaaactt	tcctattt	gtatggagca	gcaagactga	aactgttgag	1620
gagcccatgg	aggaagaaga	agcagccaa	gaagagaaaag	aagaatctga	tgatgaagct	1680
gcagtagagg	agaagaaga	agaaaaagaaa	ccaaagacta	aaaaagttga	aaaaactgtc	1740
tggactggg	aacttatgaa	tgatatcg	cataaacttt	cctatttatg	tatggagcag	1800
caagactgaa	actgttgagg	agcccatgaa	ggaagaagaa	gcagccaaag	aagagaaaaga	1860
agaatctgat	gatgtatgt	cagtagagga	agaagaagaa	gaaaagaaac	caaagactaa	1920
aaaagttgaa	aaaactgtct	gggactggg	acttatgaa	gatatcgatc	ataaaactttc	1980
ctatttatgt	atggagcagc	aagactgaaa	ctgttgagga	gcccatggag	gaagaagaag	2040
cagccaaaga	agagaaagaa	aatgtatgt	atgaagctgc	agtagaggaa	aaaaaaaaaa	2100

Homo sapiens UDP-N-acetylglucosamine-2-epimerase mRNA, complete cds.

cggcgtctgg	aactctat	ttt tagaacctct	caaaaacgaaa	caagcaa	atc	atggagaaga	60
atggaaataa	ccgaaagctg	cgggttgc	ttgctacttg	taaccgtgca	gattattcta		120
aacttgc	cccc gatcatgtt	ggcatta	aaa ccgaacctga	gttctt	gaa cttgatgtt		180
tggta	ctctcac	ctg atagat	gact atggaa	ataatcgat	gat attgaaca		240
atgactt	ga	cat	tttga cattaa	acacc aggct	atc aca		300
tgg	ggatc	ctg agtgg	ccgt ggc	ccat ttt	tttgc		360
ctgat	atcat	gatgtt cat	ggagacagg	ttgatgc	cc	acat ctg	420
cottgat	gaa	catccgaa	atc ttcacat	tttggg a	gg	atc agtggg	480
actctat	ca	gatgccc	ata acaaaact	ttcattat	ca	accatgttgc	540
cagagcago	a	cctgat	atcc atcc	ttgtgt	gg	accgcagt	600
cttcctat	ga	caaactt	tcagcca	aa	acttgc	gcaggctg	660
ggcttaggt	ga	tgatgt	aaa tctaa	aggatt	atc	actacag	720
ctgacatt	aa	gcattcc	ataatgtt	tttgc	tttgc	atc	780
acaagcgg	ac	cctagt	tttccaa	tttgc	tttgc	tttgc	840
tgatgcgg	aa	gaaggcatt	tttgc	tttgc	tttgc	tttgc	900
ttgaccagg	tt	tatacag	tttgc	tttgc	tttgc	tttgc	960
gggttcgaga	ag	tttggag	tttgg	tttgc	tttgc	tttgc	1020
gaagagaa	ac	tttgg	tttgc	tttgc	tttgc	tttgc	1080
tgcaagcact	gcac	tttgc	tttgc	tttgc	tttgc	tttgc	1140
gaaatgctgt	tcc	tttgc	tttgc	tttgc	tttgc	tttgc	1200
aaaagaaatt	ctg	tttgc	tttgc	tttgc	tttgc	tttgc	1260
ttgaaaact	ct	tttgc	tttgc	tttgc	tttgc	tttgc	1320
tcagcatgaa	gggt	tttgc	tttgc	tttgc	tttgc	tttgc	1380
agaggattaa	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	1440
actgcagaat	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	1500
ttgtgctgca	ttc	tttgc	tttgc	tttgc	tttgc	tttgc	1560
tttctgacac	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	1620
cgaaaaggaa	atttgc	tttgc	tttgc	tttgc	tttgc	tttgc	1680
caggaatcgg	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	1740
ctgcagaact	ggccac	tttgc	tttgc	tttgc	tttgc	tttgc	1800
atgggtgc	at	tttgc	tttgc	tttgc	tttgc	tttgc	1860
atgatgagga	cctgc	tttgc	tttgc	tttgc	tttgc	tttgc	1920
cgtccatct	catccaa	gt	tttgc	tttgc	tttgc	tttgc	1980
cagctgg	aa	tttgc	tttgc	tttgc	tttgc	tttgc	2040
tttgatc	ct	tttgc	tttgc	tttgc	tttgc	tttgc	2100
gccagcaggc	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	2160
ccgcctgct	gggt	tttgc	tttgc	tttgc	tttgc	tttgc	2220
cctccaggaa	caga	tttgc	tttgc	tttgc	tttgc	tttgc	2280
tttaggagta	gc	tttgc	tttgc	tttgc	tttgc	tttgc	2340
gaatgttca	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	2388

Homo sapiens carcinoembryonic antigen 2a (CGM2) mRNA, complete cds.

gccccatgggtt	ccccttcagc	ctgtccatac	agagtgtgca	tccctggca	ggggctcctg	60
ctcacagcct	cgcctttaac	cttctggAAC	ctgccaaaca	gtgcccagac	caatattgat	120
ggtgtgccgt	tcaatgtcgC	agaagggaag	gaggccttc	tagtagtcca	taatgagtcc	180
cagaatctt	atggctacaa	ctggtacaaa	gggcaaagg	tgcatgccaa	ctatcgaatt	240
ataggatatg	taaaaaatat	aagtcaagaa	aatgccccag	ggcccgacaca	caacggtcga	300
gagacaatat	accccaatgg	aaccctgctg	atccagaacg	tcacccacaa	tgacgcagga	360
ttctatacc	tacacgttat	aaaagaaaaat	cttgtaatg	aagaagtaac	cagacaattc	420
tacgtattct	cggagccacc	caagccctcc	atcaccagca	acaacttcaa	tccggtgag	480
aacaaagata	tttgtggttt	aacctgtcaa	cctgagactc	agaacacaac	ctacctgtgg	540
tggtaaaca	atcagagcct	cctggtcagt	cccaggctgc	tgctctccac	tgacaacagg	600
accctcggtc	tactcagcgc	cacaaagaat	gacataggac	cctatgaatg	tgaaatacag	660
aacccagtag	gtgccagccg	cagtgaccca	gtcaccctga	atgtctgcta	tgagttagta	720
caagcaagtt	cacctgaccc	ctcagctggg	accgctgtca	gcatcatgat	tggagtactg	780
gctggatgg	ctctgatata	gcag				804

yh42a11.r1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:132380 5', mRNA sequence.

ggttttaca agagtaaacac atttaaattt acagaggtaa gaatttcctt ggagaaatag	60
gtgctggta taatagggt atctttcttt tccatatcaa cataattata ataaaataact	120
cacagattt aaggcttatt ttgtgccagg cattctgtg agtgctttac atacatgtct	180
catgtaatcc tcccacacgc tctgcagggc caggagttt tgattatctt gatTTtatAG	240
gaataggtaa tgtaatgctc agagagggtt aaacatctgg gtttaggtcac acaggctaat	300
ccaatactta ggTTTtaagg ttttggggac tgggggtgcn gtgggtcaca cggcctgtaa	360
tccccngca ctttggggga ggcntagGCC gggncgggtc cccgggtcn ggggtcccng	420
gccccctccgg	430

Homo sapiens immediate early response 3, transcript variant short, mRNA

ctccgctcggttcaccatgt gtcactctcg cagctgccac ccgaccatga ccattcctgca	60
ggccccgacc ccggccccctt ccaccatccc gggaccccccgg cggggctccg gtctcgagat	120
cttcacccctt gaccctctcc cggagccccgc agcgccccctt gccgggcgc ccagcgccctc	180
tcgcgggcac cgaaagcgca gccgcagggcgt tctctaccctt cgagtggtcc ggcgcgcagct	240
gccagtcgag gaaccgaacc cagccaaaag gcttctctttt ctgctgtcaca ccattcgctt	300
ctgcccagatc ctgatggctg aagagggtgt gccggcgccc ctgcctccag aggacgcccc	360
taacgcccga tccctggcgc ccacccctgt gtccccctgc ctgcagccctt ttaatctgac	420
ttcggagccc tcggactacg ctctggactt cagcaatttc ctccagcaacc acccgccgc	480
cttctaactgt tgactccccgg cactccccaa aaagaatccg aaaaaccaca aagaaacacc	540
aggcgtacctt ggtgcgcgag agcgtatccc caactggac ttccgaggca acttgaactc	600
agaacactac agcggagacg ccacccgggtt ctggaggcgg gaccggaggcg cacagagacc	660
gaggcgcata gagaccgagg cacagccccag ctggggctag gcccgggtggg aaggagagcg	720
tcgttaattt atttcttatt gtccttaattt aatatttata tgtattttatg tacgtcctcc	780
taggtgatgg agatgtgtac gtaatatttta tttaactta tgcaagggtt tgagatgttc	840
ccctctgtt aaatgcaggctt ctcttggat ttattgagct ttgtgggact ggtggaaagca	900
ggacacctgg aactgcggca aagttaggaga agaaatgggg aggactcggtt tggggggagga	960
cgtccccgtt gggatgaagt ctgggtgggtt gtcgttaaggtaggaggttga ctgcattcctc	1020
cagcatctca actccgtctg tctactgtgtt gagacttcgg cgaccatata ggaatgagat	1080
ccgtgagatc ttccatctt ttgaagtcg cctttaggtt ggctgcgagg tagagggttg	1140
ggggttgggtt ggctgtcactg gagcgtactgtt cgagatcgcc tagtatgttc tgtgaacaca	1200
aataaaattt atttactgtc tgcaaaaaaaa aaaaaaaaaa	1238

7f03b12.x1 NCI_CGAP_CLL1 Homo sapiens cDNA clone IMAGE:3293567 3', mRNA sequence.

ggtatttact tagctatgt aaagaataaa aagtcatat aaaaaacgcga taggacagat	60
aacagactca caacgtattt agatttaaac actgctggtc tacgtaacct gttacaaaag	120
agagcaaaac ctaactgtca gcataagacat taaagctcac cgttgattat agtcaggc	180
ctgctcagca ttgtttaaaa agggtcactc acagtttgat ccaaagagtgc tgggttttc	240
tatgaactca taaactgttt tatctgaaaa ggtgattttc taagtagtgt aagccatggg	300
tacatggtgc aaaaagttca tgttctcaact cagctggtga gcgaaggatg ggagcagaga	360
acagagctaa aaccctggt ttccctttcc ccagatgtaa agcctgctag ctgaaactca	420
cagaagattt gaacaaaaag ataggagatg gacacctngn ggactgctcc agcacgaagg	480
gaagcgatga gcatcacaca gcag	504

human full-length cDNA 3'-PRIME end of clone CS0DA009YG15 of NEUROBLASTOMA
of Homo sapiens (human)

ttttttttt attytttaw cacttccaat aaactagcat aagttttatt acaacatata	60
cagatttgat acagttaca aaaaaaacta gatittcaa ctaaataaaa atgtcttta	120
ascmvtkva gttggcttag agacatggta ttttcttc aaaactgtgt ttctacaatg	180
atttctaagg tcccagtctt gcttgtactt gacagtyacc ctcataaag caacattaag	240
akctctgata tcttttagtaa agaatacaaa accctgtktt tcttaaaawc ctaatgctga	300
aagayatgtt atagccaatc cagacaaaaca tttatattt aacattata tttaaaca	360
angyctctct gaacaaatag cctgcbgaga taaatacagt gatttggaa taagagtgtt tcttcccttg	420
ctattnagca tgtttaaacac attattctgt agtttggaa taagagtgtt tcttcccttg	480
aagaaaacag gtccccctct gaagaataat gctgattacc ccccaaaatc aaaatagacc	540
agcaccaaat gaagtattaa tttacaaaaca tgaacttaga acttagctct tacttcttga	600
agttctacat cccagactta ataaatttaac tacaaaatca ggagtttcat cagctacagt	660
ataatttaaa aatccatccc caactggcag gagtgaggga gaaggtcaat tgcactgatc	720
accatgaact tcaagaattt catcaaaaact ttttccctcg cttatatttgc cttcagagg	780
tgagctgttag attaccatct ctgatgtttt aacatacaat attcttggaa aaatctctc	840
aaagagcaca gcatgtaaag cactaaactg tgttcagatc tgaggagct gcattggaaag	900
acctgagacc tctctgaaga gccaaaaaca agtggtgtc tcagtgtatmc atctattc	960
cctcacaaga catgcattga gtttttttat tcacagattt atgttagtcc ttagacccat	1020
gccatgtcca gttcagactg tcggctatca ggygtctct tgcactcy tggagtctgt	1080
aattgwytcg actgtgtgat mtgtrcttg amarwgtctg cgccatgtgc atagtgcacat	1140
cccagcatac gkccmcmcaaw tcggcastgc ggcttcccg gwtwcttct gcctkaacca	1200
g	1201

602288121F1 NIH_MGC_97 Homo sapiens cDNA clone IMAGE:4373861 5', mRNA sequence.

agcgtggctg	gtgaggaagc	cgtcgggagc	cgccgcgcgc	atctgaggga	ggtaccctgg	60
aaaccacctt	ttatcggtgg	ggaagtgcag	tgcgggtggg	cggctctggg	ggccagcgaa	120
acgggaggcc	tctaaatctt	tagttggggc	tgcattgccc	tggagccgca	ctcttgagtc	180
cgaggccatc	ttttgttggg	gaaggcgctcg	gcgttgggt	tttccccgagg	ttgggctgtta	240
cagtgtctcc	gtcccgaa	aaagaagct	ctgaacccgc	gccggcccg	agccccctg	300
ccttcggcc	gctgctcgcc	gtcgccagag	gctaggccac	gtttccccca	gtgccgaggt	360
gtttctgtga	ccctccctcc	actcccatc	ccttctgaaa	gggcacctgc	tcttggtgag	420
aaaagaaaatt	atagcacgaa	gagccagtagt	cagaagagta	tccatcaccc	gcagcaaccg	480
ctcagggaac	accataaaaa	aagaacaaaa	agggaatatc	tggatttct	ggcgaggag	540
gagcgagtct	gctcgggagc	tgttccagca	ggcgattttt	aaatactgg	ttctacgccc	600
tatacaactt	ggcttcacat	acttttacaa	cttaaccttt	ttatgattt	aaaaaaactgg	660
tctgttccgg	gacttctccg	gccgggacac	cggtaacgg	aggctctggcc	gggctcccg	720
cggcccttgg	gacctactt	gtggggaacct	taaccatcg	agacagaaat	ccggtgacgg	780
cggccaagaag	ctggaccagg	ggcttcggcg	tcgaccacac	ctgttagagc	cggaccatgg	840
cccgagccgc	ggcggggccc	cgaggccac	aggccaaggc	gggcgaggca	gcgctcgaaa	900
acacggtgac	cccaagaggg	agaagccact	agcgcagaaag	ggaan		945

Homo sapiens organic anion transporter polypeptide-related protein 1
(OATPRP1) mRNA, complete cds.

ggcacgaggc	gctgcgcggc	gcggcgcccg	ggccctcgag	acggggacgg	acacaccagg	60
ccctcgata	ccacttggcc	actcccgctg	aggccactcc	cactgcgtgg	ctgaagcctc	120
gaggtcacca	ggcggaggcg	cggagatgcc	cctgcacatcg	ctgggggaca	agccgctcac	180
cttccccagc	cccaactcg	ccatggaaaa	cgggcttgac	cacacccac	ccagcaggag	240
ggcatccccg	ggcacacccc	tgagccccgg	ctccctccgc	tccgctgccc	atagccccct	300
ggacaccagc	aagcagcccc	tctgcccagct	ctggggcag	aagcatggcg	cccgggggac	360
ccatgaggcg	cggtacgtct	cgccggggca	gagcgtggcg	tgcggctgg	gggccttcgc	420
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gaaggacacg	agccgtgggg	aggcgagcaa	cccgacttt	ggaaaaacca	tcagagacct	1260
gcctctctcc	atctggctcc	tgctgaagaa	ccccacgttc	atcctgtct	gcctggccgg	1320
ggccacccag	gccactctca	tcaccggcat	gtccacgttc	agcccaagt	tcttggagtc	1380
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cctcagcagc	attcctgcac	taacggcaac	tctacgtatgt	gtccgtgacc	ctcagagatc	1980
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cgccttcggc	tgggtgatcg	acaaggcctg	tctgcgtgtgg	caggaccagt	gtggccagca	2100
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gggggcactc	agcatttcc	gatgacagaa	cagtggcg	gggtgatgca	atcacacggg	2400
aacttctatt	tgacctgcaa	ccttctactt	aacctgtgg	ttaaagtccg	ctgtgaccc	2460
ctgtccccag	agctgtacgg	ccctgcagtg	ggtggggagga	acttgcataa	atatatattt	2520
atggacacac	agtttgcac	agaacgtgtt	tatagaatgt	gttttatacc	cgatcgtgt	2580
tgggtgtcggt	gaggacaaac	tccgcagggg	ctgtgaatcc	cactgggagg	gcggggggcc	2640
tgcagcccg	ggaaggctt	tgtgtcctca	gttaaaaactg	tgcatatcga	aatatatttt	2700
gtatattaag	cctgcgaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2760
aaa						2763

Homo sapiens cDNA: FLJ21243 fis, clone COL01164.

acaagaatga atgaatgtct ttgtcttaaa ttttgcggcat gtgtaaaaag atgttaattct	60
cagaatggga gagaatgac tacctttgtt cctactctt tatataatta tccttttagg	120
gaaagacttg gtcaactcta atatatctag aaggaagact atatctggtg tagactaata	180
tgagatgttt tagaagagtt aacctgaaca ctggaggga gagattattc ttgccagcaa	240
aaagctagcc aggaatgagc ctaccacatt atttggaaat atcaaacctc aggccctgggg	300
ggttgggggg aagaagatta ccagaagtgc agggaaagaga agtttgagga acacccttgg	360
cttagcaaca tgtgataatg caaagctgtt ataacctgtt aatcctacgt actatgtgtt	420
ctgtacctt acatgtttt aaatttaaga tagttgtaa gaactgtaca aaaaaatgct	480
tctggagatt tctttggcag aaatgcctt catctataat ttcatggaga actgctttaa	540
ttagcctagg tgaaaagtag tcctagcagt gtaaatatgt ataatttagag ttttctaatt	600
tcactgtgag atctctaact ttgagtggc aaacagatca agtctttgc tcataagactt	660
ttctgtgggg ttattaaaat gcaaaagctt tattttttt aataatgccca tactccatta	720
gtgtcagatg atggtatgga atttggccc ttgcttccc ccactgttac tgcttcagtt	780
tatagattgc cagcagagtt cagaaataga gcagggattt acccggttct tgcttgaca	840
tccccatttc ttttgcag acccatgttg gcaatcatgt atgaactgtg ttatacttct	900
cagtgcatttcc tttttcttt tgataagat ggatatcaaa aatagttgct gtgaaaagt	960
tagtagtctt cttcaagaag aaaaccaatt cttttctaa taatatcgt tgaaattgct	1020
tcattcatttcc attttttttt aagccaaatg tcagcagagt gctgctgctt ttatctagta	1080
attttgatata gtaagtatta atgcattttt aaaagatgtc tacattggaa catgttcttc	1140
ccagtgccct gcttatgtatg ctttgcag attttttgtt agagaccgt tagtacactg	1200
gggggttata ttgtgtacat gtgtcattttt agttaggcattt tgtaggc当地 atgtgattat	1260
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atctcattgtt acagtgtttt agttgcaagc agaaagtaga atttggtata aagcaggta	1440
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attctaaactt gtctattcttta acctattgtg tacaatctga tttttttttttaa ttgtaaacat	1560
gtatgatctt ggttttcatgtt gttttttttttaa gtgttattgtt tttttttttttaa aaaaaagcat	1620
atctgctaaa gagctgtcag ttttcttacatc tgactctgttta aaatacactg ttctttgtgt	1680
actgtgtgtt atttttttttgcag ctgtgtttttttaa agccttcaaa agtattttttttttaa aacttaagat	1740
gaactacattt tcttgc当地 ag tacattttttttaa tctgtggtat tttttttttttaa aactgaagtt	1800
tagtaattttt tttatggaaa ttgttagcaat tctgtacccaa ctttgc当地 aatgaaaaat	1860
ttaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaa	1880

ab38f03.s1 Stratagene HeLa cell s3 937216 Homo sapiens cDNA clone
IMAGE:843101 3' similar to contains Alu repetitive element;, mRNA sequence.

tttttagatg aagtctcgcg ctcttgcgg ctaggctgga gtgcaatgat gcgatcttgg.	60
ctaactgcag cttctgcccc ttgggttcaa gtgattctcc tgccctcagcc tcccgagtag	120
cgtggattac aggcgcctgc caccacgccc ggctaatttt tatattttta gttgagacag	180
ggtttcacca tgggtgccag gctgatctcg aactcctgac ctcaggtgat tcgcccgcct	240
cagcctccca aagtgtggg attacaggca tgagccaccg tgccggacct attaaaaat	300
ctttttgaag tacagtacta ataaactaag gactacctag agatcacact ttttagatatt	360
atctatTTTA acatagatta aaaatactgt ttatATGAAA attaAGCTTA aataCACGTA	420
taggtataaa ttattttGCC catatacaag taatgtaaac agag	464

Homo sapiens KPL1 (KPL1) mRNA, complete cds.

aagaaaatggc	cctggtgagg	ggcggtggc	tgtggagaca	gagctccatc	ctccggccgt	60
ggaagcgaa	ctggttgcc	ctgtggctgg	acgggaccct	gggataactac	cacgatgaga	120
cagcgcagga	cgaggaggac	cgtgtctca	tccactcaa	tgtccgtgac	ataaaagatcg	180
gcccagagt	ccatgatgtg	cagcccccaag	agggccggag	ccgagatggc	ctgctgactg	240
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ctcccaggag	ccgccccgtt	tgctccaagg	tcagtggtgt	gacccgctcg	tggagccct	420
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tgtgtcccc	caatgcacac	gaggccacgt	atgtccgcag	ctactacgga	ccggccctacg	540
caggccctgg	cgtgacgcac	gtgatagtgc	gggaggatcc	ctgctacagc	gccccggcccc	600
ctctggccat	gggcatgctt	gcgggagccg	ccactggggc	ggcgctggc	tcgctcatgt	660
ggtcgcctgt	ctggttctga	gccctgggac	tcggagact	gacccctgct	cttggattgc	720
tagactcctc	ttcctcttgg	accccatctt	ctaccatcca	agccctgtcc	cactttggcc	780
ctatcctctc	cattagctcc	ttccgggttt	ggaccattcc	ccccactccc	tacccttaat	840
ccccacatgg	gaagaagcta	tcatcacagg	tacaaacatc	gcttgaagtc	ttcacatcta	900
ccactagaca	cccccaaaat	ctgttataga	cattatgg	tacatttcc	ctaaacacaa	960
cagggcacac	caaatacgac	ttcatttggc	ttcgagttcc	ccaggcgctg	tagacacaac	1020
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taaaccatgg	acttgaacaa	agctgaagag	ttatcagtcc	tttgcacaagg	acaggtgggg	1140
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tgacacatgt	ccataacctaa	aacactcctg	agttaagtcc	catccttccc	acaaacagct	1440
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cccttccagt	ctcttccccc	tttctatccc	aatcaccaat	agaaatgcta	acatccctgc	1800
ctggtagcca	ga					1812

Homo sapiens carboxypeptidase, vitellogenin-like, transcript variant 2,
mRNA (cDNA clone MGC:10029 IMAGE:3888647), complete cds.

agcgctgcaa ggacaaccgg ctggggtcct tgcgcgcgc ggctcaggga ggagcaccga	60
ctgcgcgcgc taagtccgc ctgcctgcg tgggtcgatc cagctcagcg ggacaggtcc	120
tgcctcggt ccctcgact tagggagcgc gggcagacc ctgagagatg gtttgtccca	180
tgtggaaagg gattttcg ctggctctgt tgatgcctgg cccctgtat gggcttgc	240
gtccccata cagaagtgtt tccatgccac ctaaggaga ctcaggacag ccattatttc	300
tcacccctta cattgaagct gggaaagatcc aaaaaggaag agaattgagt ttggtcggcc	360
cttcccagg actgaacatg aagagttatg cggcttcct caccgtaat aagacttaca	420
acagcaacctt ctctctgg ttcttcccag ctcagataca gccagaagat gccccagtag	480
ttctctggct acagggtggg ccgggaggtt catccatgtt tggactctt gtggAACATG	540
ggcccttatgt tgtcacaagt aacatgacct tgcgtgacag agacttcccc tggaccacaa	600
cgtctccat gcttacatt gacaatccag tggcacagg cttcagttt actgatgata	660
cccacggata tgcagtcaat gaggacgatg tagcacggg tttatacagt gcactaattc	720
agttttcca gatatttcct gaatataaaa ataatgactt ttatgtcact ggggagtctt	780
atgcagggaa atatgtcca gccattgcac acctcatcca ttccctcaac cctgtgagag	840
agtgaaagat caacctgaac ggaattgcta ttggagatgg atattctgtat cccgaatcaa	900
ttataggggg ctatgcagaa ttccctgttacc aaattggctt gttggatgag aagaaaaaaa	960
agtaattcca gaagcagtgc catgaatgca tagaacat caggaaggc aactggtttg	1020
aggccttta aatactggat aaactactag atggcgactt aacaagtgtat ccttcttact	1080
tccagaatgt tacaggatgt agtaattact ataactttt gcgggtgcacg gaacctgagg	1140
atcagcttta ctatgaaa ttttgcac tccagaggt gagacaagcc atccacgtgg	1200
ggaatcagac tttaatgtat ggaactatacg ttgaaaagta cttgcgagaa gatacgtac	1260
agtcagttaa gccatggta actgaaatca tgaataatta taaggttctg atctacaatg	1320
gccaactgga catcatcggt gcagctgccc tgacagagcg ctccttgatg ggcattggact	1380
ggaaaggatc ccaggaatac aagaaggcag aaaaaaaaaat ttgaaagatc tttaaatctg	1440
acagtgaagt ggctggttac atccggcaag tgggtgactt ccatcagta attattcgag	1500
gtggaggaca tattttaccc tatgaccagc ctctgagacg ttttgacatg attaatcgat	1560
tcatttatgg aaaaggatgg gatcctttagt ttggataaac taccttccca aaagagaaca	1620
tcagagggtt tcattgctga aaagaaaaatc gtaaaaacag aaaatgtcat aggaataaaaa	1680
aaatttatctt ttcatatctg caagattttt ttcatcaata aaaattatcc ttgaaaaaaaaa	1740
aaaaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa	1772

Homo sapiens teratocarcinoma-derived growth factor 1, mRNA (cDNA clone MGC:24110 IMAGE:4615416), complete cds.

agtttcccct	ggacgccttg	ctcctgcttc	tgctacgacc	ttctggggaa	aacgaatttc	60
tcattttctt	cttaaattgc	cattttcgct	tttagagatg	aatgttttcc	tttggctgtt	120
ttggcaatga	ctctgaatta	aagcgatgt	aacgcctctt	ttccccctaa	ttgttaaaag	180
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ggcctcggtc	ttcccaagcgt	gtgccgcca	tggggataca	gcacagtaag	gagctaaaca	420
gaacotgctg	cctgaatggg	ggaacctgca	tgctgggtc	cttttgtcc	tgccctccct	480
ccttctacgg	acggaactgt	gagcacgtg	tgcgcaaaga	gaatttgtgg	tctgtgcccc	540
atgacacctg	gctgcccagg	aagtgttccc	tgtgtaaatg	ctggcacgg	cagctccgt	600
gctttcctca	ggcatttcta	cccggtctgt	atggccttgt	gatggatgag	cacccgttgg	660
cttccaggac	tccagaacta	ccacgcgtcg	cgcgtactac	cacttttatg	ctagttggca	720
tctgccttc	tatacaaagc	tactattaaat	cgacattgac	ctatttccag	aaatacaatt	780
ttagatatac	tgcaaatttc	atgaccagta	aaggctgtcg	ctacaatgtc	ctaactgaaa	840
gatgatcatt	tgttagttgcc	ttaaaataat	gaatacattt	ccaaaatgg	ctctaacatt	900
tcotttacaga	actacttctt	acttctttgc	cctggccctct	ccaaaaaaac	tacttctttt	960
ttcaaaqagaa	agtcaaggcat	atctccatgt	tgccctaagtc	cagtgtttct	tttttttttt	1020
tttttgagac	ggagtcctcac	tctgtcacc	aggctggact	gcaatgacgc	gatcttgggt	1080
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tcagatttatt	ggagactaat	tctaatgtgg	accttagaat	acagtttga	gtagagttga	1440
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gaagcaaata	gaagagagag	gttggaaaac	aaaatgggtt	acttgattgg	tgatttagtg	1620
gtggtagaga	agcaagtaaa	aggcttaat	ggaagggcaa	gtttccatca	tctatagaaaa	1680
gctatataag	acaagaaatc	ccctttttt	cccaaaggca	aaaaaaaaaa	aaaaaaaaaa	1740
aaaaaaaaaa						1748

Homo sapiens lipase mRNA, complete cds.

gccgggtcgg	ggcgccccgg	cttttctgtc	ggaggacgcg	aaccggcacg	ctgcgccttt	60
aaggagtccg	gctgggctgg	gcgcggagc	tgggagccgc	gcgggttagga	gcccggcggc	120
agggtcccagc	ccggggctag	agaccgaggg	ccggggtcgg	ggcccgccgg	cggacccag	180
gcccgggtgg	ctggtcagaa	tctcattttc	aggacccagg	cggttgaggc	tggtcaggag	240
tcagccagcc	tgaaagagca	gatggatct	tgatgtggtt	aacatgtttg	tgattgcggg	300
cggcacgctg	ccatcccaa	tcctggcatt	tgtgcttca	tttcttctgt	ggccttcagc	360
actgataaga	atctattatt	gttactggcg	gaggacattt	ggcatgcaag	tccgcttatgt	420
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gcttcagctc	tgctcctatg	tccgcttcaa	ggtggccca	cagatcctgc	aaggccttgc	960
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ttgccaactg	ccaggtggag	tttctggaaa	actgtggca	ctcagtagtg	atggaaaaaa	1200
cccaggaaga	cagccaaagct	cataatcgac	tttttagctt	ctgtgaaaa	cacagacaaa	1260
caacaagaag	ctggacttga	aggcccccaa	ctgcagcctg	gaatttttga	acacagcatt	1320
ctgtttccca	ttcccccaag	ttttgacgca	gccaaccatt	ttaagggat	tcctggccca	1380
aattgcgggt	ggaagcgcca	attgaccct	ggagggaaagc	ccgtcccctt	attccccggg	1440
tatccacgggt	tccccagagc	tttggggacc	acggcgaaaa	cctccaagat	a	1491

Homo sapiens v-fos FBJ murine osteosarcoma viral oncogene homolog, mRNA
(cDNA clone MGC:11074 IMAGE:3688670), complete cds.

ccaagactga	gccggcgccc	gccccgcagc	gaacgaggcag	tgaccgtgct	cctacccagc	60
tctgtttcac	agcgccccacc	tgttccgccc	cctccggcccc	tcgccccggct	ttgcctaacc	120
gccacatgt	tgtttcgggg	tttcaacgc	gactacgagg	cgtcatcctc	ccgctgcagc	180
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cccgccccct	ccgctggggc	ttactccagg	gctggcggtt	tgaagaccat	gacaggaggc	480
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gctaccgcac	ctgcctgcaa	gatccctgtat	gacctgggtt	tcccagaaga	gatgtctgt	780
gttcccttg	atctgactgg	gggcctgcac	gaggttgcac	ccccggagtc	tgaggaggcc	840
ttcacccctgc	ctctccctcaa	tgaccctgag	cccaagccct	cagtggaaacc	tgtcaagagc	900
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aggcccagtg	gtctcgagac	agccccgtcc	gtgcagaca	tggacctatc	tgggtcccttc	1020
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ttcccagtga	cacttcagag	agctggtagt	tagtagcatg	ttgagccagg	cctgggtctg	1560
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attggaaatta	acctgggtct	ggatattttc	aaatgtatc	tagtgcagct	gattttaaaca	1680
ataactactg	tgttcctggc	aatagtgtgt	tctgattaga	aatgaccaat	attataactaa	1740
aaaaagatac	gacttttattt	tctggtagat	agaaataaat	agctatatcc	ataaaaaaaa	1800
aaaaaaaaaa	aaaa					1814

Homo sapiens endoplasmic reticulum lumenal Ca²⁺ binding protein grp78 mRNA, complete cds.

atgaagctct	ccctggtggc	cgcgatgctg	ctgctgctca	gcgcggcgcg	ggccgaggag	60
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cgcacaagcaa	ccaaagacgc	tggaactatt	gctggcctaa	atgttatgag	gatcatcaac	600
gagcctacgg	cagctgtat	tgcttatggc	ctggataaga	gggaggggaa	gaagaacatc	660
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ttttagatag	atgtgaatgg	tattcttctga	gtgacagctg	aagacaagg	tacagggaaac	1560
aaaaataaga	tcacaatcac	aatgttggc	aatcgcctga	cacctgaaga	aatcgaaagg	1620
atggtaatg	atgctgagaa	gtttgctgag	gaagacaaaa	agctcaagga	gcgcattgtat	1680
actagaaatg	agttggaaag	ctatgcctat	tctctaaaga	atcagattgg	agataaaagaa	1740
aagctggag	gtaaactttc	ctctgaagat	aaggagacca	tggaaaaagc	tgtagaagaa	1800
aagattgaat	ggctggaaag	ccaccaagat	gctgacattt	aagacttcaa	agctaagaag	1860
aaggaactgg	aagaaattgt	tcaaccaatt	atcagcaaac	tctatggaa	tgcaggccct	1920
cccccaactg	gtgaagagga	tacagcagaa	aaagatgagt	tgttag		1965

Homo sapiens S100 calcium binding protein A2, mRNA (cDNA clone MGC:3847
IMAGE:3659591), complete cds.

ctccccctcac	cccggtccag	gatgcccagt	ccccacgaca	cctccccactt	cccactgtgg	60
cotgggtggg	ctcaggggct	gcccttgacc	tggcttagag	ccctccccca	gctgggtggt	120
gagctggcac	tctctgggag	ggagggggct	gggagggaat	gagtggaaat	ggcaagaggc	180
cagggtttgg	tgggatcagg	ttgaggcagg	tttggttcc	ttaaaatgcc	aagtgggggg	240
ccagtggggc	ccacatataa	atcctcaccc	tgggagcctg	gctgccttc	tctccttcct	300
gggtctgtct	ctgccacactg	gtctgccaca	gatccatgat	gtgcagtct	ctggagcagg	360
cgtctggctgt	gctggtaact	accttccaca	agtaactcctg	ccaagaggc	gacaagttca	420
agctgagtaa	ggggaaaatg	aaggaacttc	tgcacaagga	gctgcccagc	tttgtggggg	480
agaaaagtgg	tgaggagggg	ctgaagaagc	tcatggcag	cctggatgag	aacagtgacc	540
agcaggtgg	cttccaggag	tatgctgttt	tcctggact	catcaactgtc	atgtgcaatg	600
acttcttcca	gggctgccc	gaccgaccct	gaagcagaac	tcttgacttc	ctgccatgga	660
tcttttgggc	ccaggactgt	tgatgcctt	gagtttgta	ttcaataaac	ttttttgtc	720
tgttgaaaaa	aaaaaaaaa	aaaaaaaaa				749

wa01c11.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:2296820 3', mRNA sequence.

acttccttca	ctagttacga	caaaaatttaa	gaggaataaac	aaatacaat	tttctgttaa	60
gaacggaaag	gtgc当地acta	gcagagtcaa	tactggtaac	cagaaggcac	taatccaaac	120
acataaaattt	caaaaagctgg	ttatattatg	gaataccata	tatactggcc	tttgccagtt	180
tgggatttct	gcaatagcaa	taaggcctcg	ttctgtttcc	aattataaca	acaaaaagat	240
gagttactaa	tgaacattcc	acttacagaa	gtctaggcta	tgttgataaa	ttgaaaactt	300
atcttagacta	ctctgtctaa	gagcaataaa	aagtaaacac	tcttttatcc	agcagcacta	360
ggaaaacaggg	tgaatttacc	aagataaaatt	aggttgggga	tacctactgc	caacttgtgc	420
ggttgtcgaa	ttcactgtaa	tatgtattcc	tcttattgat	agagctctga	atgtaaacaa	480
ccta						484

Human 150 kDa oxygen-regulated protein ORP150 mRNA, complete cds.

ttgtgaagggg	cgcgggtggg	gggcgctgcc	ggcctcg	gtacgttgcgt	gcccgtctg	60
tccca	ggggccgcag	gagcggagc	aagaggggca	ctatggcaga	caaagttagg	120
aggcagaggc	cgaggaggcg	agtctgttgg	gccttgg	ctgtgc	ggcagac	180
ttggcactga	gtgata	actgcgtat	tctgtggacc	tggcag	gtccatgaa	240
gtggccat	tcaa	acacttgcgt	aatgttgc	tgaataa	atctcg	300
aaaacaccgg	tgatcg	cctgaaa	aatgaa	aatgaa	cagtgc	360
agcatggcga	ttaagaatcc	aaaggctac	ctacgttact	tccagcac	cctgggaa	420
caggcagata	acc	ccccatgt	agctcttac	caggccc	cgagctgact	480
ttcgacccac	agaggcagac	tgtcactt	cagatcag	cgcag	gttctcac	540
gaggaagtgt	tggc	atgtt	tctcaattat	tctcg	tagctgaa	600
cagcccatca	aggatcg	atgtt	ccagtcttct	tcaacc	cgagc	660
gctgtgctgc	aggctgctcg	tatggctgc	ctcaaa	tgcag	catca	720
accgcactg	ccctcagcta	tggtgtctc	cgccg	gaa	aatgaca	780
aatatcatgt	tctat	gacat	gggc	tcagg	actgccc	840
atggtaaga	ctaagg	aaagg	tggatgc	ccacag	gatcc	900
gaccgtaccc	tgggg	ccct	ggagatgg	ctccg	gagaac	960
ttcaatgagc	agcg	caagg	tca	gagatgt	gggaga	1020
gccaagctgc	tgcgt	gaggc	taat	ccgtt	gcaccatt	1080
atggcac	aa	ggc	atgtt	tca	gac	1140
gaatttgagg	agtt	gtgt	agactt	gagcgg	ctgg	1200
ctccagagt	ccg	aaat	tctggat	attg	actgt	1260
actcggttcc	ccag	agtt	ggatgt	ctga	aggcc	1320
aagaacatca	atgc	agat	agcagcc	atgggg	tgtacc	1380
agcaaagct	ttaa	agt	gaa	gtcc	gagat	1440
gtggagttca	cgagg	gaggt	ggaggagg	cctgg	acgc	1500
cgggtactct	tct	ctcg	ggggcc	cctca	acgc	1560
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gatcttegg	tattt	ggctc	ccagaat	accac	gttgc	1680
agcttcaaga	agtat	tctg	ctac	gagttc	caac	1740
gagagtggcg	tgct	caagt	agac	ggat	ctgg	1800
acgc	aggatctac	tct	ccac	ggca	ccattt	1860
ggcgtacca	cacc	agat	caagg	gtact	cag	1920
agccctgcag	aggg	gagca	ggac	gac	ggg	1980
gaggccccag	tgg	aggat	ctct	cagccc	aac	2040
cctgagggag	aaaagg	ccac	aa	ccat	ttccag	2100
agtgagaagg	cagagg	cagg	gcct	gagg	cctgtt	2160
cagaagcccg	ccagg	aaag	g	ccac	ggct	2220
gacctgcctg	actt	g	ggata	agct	gttct	2280
acactccgag	ac	ctt	ggat	ggc	ac	2340
atatttgaga	ccc	agg	gata	aa	ac	2400
cagcgtgagg	agat	ct	gtc	ggat	gggt	2460
gttggagcc	ccac	agt	gt	ggat	gggt	2520
gggtctttt	ttc	gggt	gaga	ggat	gtgt	2580
aatctcc	accat	cc	ggat	ggat	ccat	2640
cagatctca	ctg	agg	gt	ggat	atccc	2700
tgaagaatg	caact	ctgg	gaca	ggat	caat	2760
ctctcaaa	acat	ttg	ac	ggat	gtat	2820
aataaggcca	agtt	atgg	ggcc	ggat	ctgt	2880
gagccacccc	tcaat	ggcc	ccgg	ggat	atgg	2940
cagactgaag	atgc	caat	ggcc	ggat	catccc	3000
ggagacact	agc	ctt	ggat	ggat	ccag	3060
tcgacaggac	aga	agg	ggcc	ggat	gac	3120
ccattc	ccac	cccc	accac	ggat	aaaa	3180
aggggttgg	cctgc	cct	gtgg	ggat	aaaa	3240

agaaggggaa	gggagggaca	gctcaactgg	tcccttctga	gtacctctgt	ggttaaaaat	3300
ggaaaactgtt	ctcctccccca	gcccccaactcc	ctgttcccta	cccatatatagg	ccctaaattt	3360
gggaaaaatc	actattaatt	tctgaatcct	ttgcctgtgg	gtaggaagag	aatggctgcc	3420
agtggctgat	gggtcccgg	gatgggaagg	gtatcaggtt	gctggggagt	ttccacttctt	3480
ctctggtgat	tgttccttcc	ctcccttcct	ctccccaccat	gcgatgagca	tcctttcagg	3540
ccagtgtctg	cagagcctca	gttaccaggt	ttggtttctg	agtgcctatc	tgtgtcttt	3600
cctccctctg	cgggcttctc	ttgctctgag	cctcccttcc	ccattttccat	gcagctccctt	3660
tccccctggg	tttccttggc	ttcctgcagc	aaattgggoa	gttctctgcc	cottgcctaa	3720
aaggctgtac	ctctggattt	gccccaaatgg	atcttggagg	attcttcaactc	gtatttccca	3780
cccccattgtt	ccagaggagg	gagggggcaca	gttggatgg	gagccaccca	cctctccgaa	3840
gaggaaagcc	acgttagatgt	gttggatgg	gggcccgca	tcgtgcagc	tctgtcataaa	3900
tctgcatctt	cccacgcagcc	tggtacccca	ggttctctgt	actccctgcc	tccttcctctc	3960
ttctgctgtt	ctgctccctcc	cagacagacg	ctttccctca	ccccctgacc	ccctgggctg	4020
accaaaaatgt	gttttctact	gttggatccct	atcccaagat	cctggggaaa	ggagagacca	4080
tggtgtgaat	gttagagatgc	cacccctc	tctctgaggg	aggccctgtgg	atgaaggagg	4140
agggtcagg	ctggccttcc	tctgtgcatac	actctgtctag	gttgggggcc	cccgacccac	4200
cataacctacg	cctaggggago	ccgtccctcca	gtattccgtc	tgttagcagga	gctagggtctg	4260
ctgcctcagc	tccaaagacaa	gaatgaacct	ggctgtgtca	gtcattttgt	cttttccttt	4320
ttttttttt	gccacattgg	cagagatggg	actaaagggt	cccacccctc	acccccacccc	4380
caccccttct	gtatgtttga	attctttcag	tagctgttga	tgctgggtgg	acaggtttga	4440
gtcaaattgt	actttgctcc	attgttaatt	gagaaaactgt	ttcaataaaa	tattcttttc	4500
tac						4503

Homo sapiens s-CaBP1 (CABP1) mRNA, complete cds.

aagtccctca	gtcccccagg	agcctccttc	atggaccggg	ggatccaaag	aggggctgcc	60
tcaacttagg	atggccaact	gtgtcaagta	tccactgaga	aatctctcaa	ggaaggatag	120
atcactgcga	ccagaggaaa	ttgaagagct	ccgagaggcc	ttcagagaat	tcgacaagga	180
caaggatggc	tacatcaact	gccgggatct	gggcaactgc	atgcgcacca	tggctacat	240
gcccaccgag	atggagctca	tcgaactgtc	ccagcagatc	aacatgaacc	tgggtggcca	300
ttagatttt	gatgacttcg	tggagctaatt	ggggcctaaa	ctcctggcag	agacagcaga	360
tatgatttgtt	gtaaaggaac	tgcgagatgc	tttccgagag	tttgacacca	atggtcatgg	420
ggaaataaagc	accagtgagc	tgcgagaggc	tatgaggaag	ctcctgggtc	atcaggtggg	480
acaccgagac	atagagggaaa	ttatccgaga	tgtgacctc	aatggggatg	gacgagtgga	540
cattgaagag	tttgcggaa	tgatgtcccg	ctgaggccgc	gagggccct	ccaggactgc	600
caagctccca	aaggccccggc	taagaggagc	tagagcttgc	ctcacccct	gtagccgccc	660
agagcccagg	atgtactggc	ggatggggcc	tgcctgcacc	ccggggcgga	attc	714

Homo sapiens cDNA FLJ12397 fis, clone MAMMA1002769, weakly similar to Homo sapiens cell cycle progression restoration 8 protein (CPR8) mRNA.

ataagaggcg tcattggcgc ccgagctgt accgcgcgcc	ctggggcagc cagcacaaatc	60
gggcggaggt ggccgtgccc cttcagacct gaaagatgtc	tgaaaattcc agtgacagtg	120
attcatctt tggttggact gtcatacgat atgaggggtc	agatatagaa atgttgaatt	180
ctgtgaccgc cactgacagc tgtgagcccg ccccagaatg	ttcatctta gagcaagagg	240
agcttcaagc attgcagata gagcaaggag aaagcagcca	aatggcaca gtgttatgg	300
aagaaaactgc ttatccagct ttggaggaaa ccagctcaac	aattgaggca gaggaacaaa	360
agatacccgta agacagtatc tatattggaa ctgcaggat	tgattctgat attgttaccc	420
ttgagccacc taagtttagaa gaaattggaa atcaagaagt	tgtcattgtt gaagaagcac	480
agagttcaga agacttaac atgggctt cctctagcag	ccagtatact ttctgtcagc	540
cagaaaactgt attttcatct cagcctagtg acgtatc	aagtatgtat gaaaccagta	600
atcagcccgat ccctgccttt agacgacgcc gtgttagaa	gaagaccgtt tctgttccag	660
aatctgaaga ccggctagtt gctgaacaag aaactgaacc	ttctaaggag ttgagtaaac	720
gtcagttcag tagtggcttc aataagtgtt ttatacttgc	tttgggtatt gcaatcagca	780
ttggattttgg ccatttctat ggcacaattc agattcagaa	gctgtcaacag ttagtcagaa	840
agatacatgaa agatgaaattt aatgatatgaa aggattatct	ttcccgatgt caacaggaac	900
aaggatcttt tatagattat aagtcatgtt aagaaaatct	tgcaagggtt tggacactta	960
ctgaagcaga gaagatgtcc ttggaaactc agaaaaacgaa	ccttgctaca gaaaatcagt	1020
atattaagaaa gctcttcaact gactttgtt atgatgttta	agattatctt agaaacatgaa	1080
aggaatatgaa agtagataat gatggaggat ttgagaagtt	ggatgaatat atatataagac	1140
acttctttgg tcacactttt tccccctccat atggaccgc	tcgaccgtat aaaaagcaac	1200
gtatggtaaa tattggaaac tccaggcatc gaaaacaaga	gcagaagcac cttcagccac	1260
agccctataaa aaggaaaggta aatggcata aatatggtcg	cactaatgga agacaatgg	1320
caaatacttgc aatagaattt gggcaatttac ctttgtatcc	tcaatactga ttccacaattt	1380
agttaaatata gacaactgtt agagaaaaat ttatgtttt	tataatgttt ggtattgaaa	1440
ctaatgaaat taccaagatg acaatgtt ttctttgtt	tctaagtatc agtttgataa	1500
ctttatatta ttccctcagaa gcattagttt aaagtctact	aacctgcatt ttccctgtat	1560
tttagcttcgt tgaattttt ttgacactgg aaatgttcaa	ctgtatgttt attaaggaag	1620
ccaggcatgc aacagattti gtgcattttcc ttccatgtt	agagcttaaa	1680
gcaagctcag tcatacatgaa caaagtgtttaa ttaacactga	tttttgtt aaatttgcag	1740
cagagcttgc gaaaagtaca ttgttctgaa atttcatcat	taacattttta taatcttaca	1800
ctcaacttctt gtcttttgtt ggggttcagga gccctctgac	ttgtgaagaa ttgtctgccc	1860
tcttaagagc ttgctgactt gttttcttgtt gaaatttttt	gcacatctga atatcgtgga	1920
agaaaacaataa aaactacacc atgat		1945

hn58g08.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:3032126 3', mRNA sequence.

cattgc	tta	cgttagatgt	aaactatgca	tagtatttt	tttgtaacc	catgtgtt	aa	60									
gaaggggac	ac	tgtt	aaagta	acaatcatt	aaaagtaaca	accaaca	aac	tggtat	ttt	aa	120						
tttgg	tattt	taaata	atgtt	aaaatcaa	at	gaaac	agtg	tctaa	agtca	ctaagata	at	180					
tcataaca	aa	acc	catta	at	ccaag	ctcca	c	tatt	gtt	aa	atca	ccatgag	cta	240			
accta	aaaat	g	tac	cgt	ttt	gga	ata	aaa	aca	aa	gat	tttt	atagaat	ttca	300		
tttc	agg	gg	ccc	ctt	aa	att	tta	ttt	taa	at	ttt	ttt	at	atgc	aaac	360	
actg	atta	ac	tca	aaat	atct	tgta	atgtt	ca	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	420
ttt	gtt	tatt	ca	ct	ttt	ca	ttt	ca	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	480
atattt	cact	at	ttt	gaa	at	gtt	ttt	ca	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	540
ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	547
ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt	ttt

Homo sapiens cDNA FLJ13465 fis, clone PLACE1003493, weakly similar to
ENDOTHELIAL CELL MULTIMERIN PRECURSOR.

aagacaacgt	cactagcagt	ttctggagct	acttgccaag	gctgagtgtg	agctgaggct	60
gccccaccac	caagatgatc	ctgagcttgc	tgttcagcct	tggggccccc	ctgggctggg	120
ggctgctggg	ggcatggcc	caggcttcca	gtactagcct	ctctgatctg	cagagctcca	180
ggacacctgg	ggtctggaag	gcagaggctg	aggacaccag	caaggacccc	gttggacgta	240
actggtgcctt	ctacccaatg	tccaaagctgg	tcacccattact	agctcttgc	aaaacagaga	300
aattcctcat	ccactcgcag	cagccgtgtc	cgcaggggago	tccagactgc	cagaaaagtca	360
aagtcatgtt	ccgcatggcc	cacaagccag	tgtaccaggt	caagcagaag	gtgctgacact	420
cttggcctg	gaggtgctgc	cctggctaca	cgggcccaa	ctgcgagcac	cacgattcca	480
tgcaatccc	tgagcctgca	gatcctgggt	acagccacca	ggaacctcag	gatggaccag	540
tcagcttcaa	acctggccac	cttgcgtcag	tgatcaatga	ggtttaggtg	caacaggaac	600
agcaggaaca	tctgctggga	gatctccaga	atgatgtca	ccgggtggca	gacagcctgc	660
caggcctgtg	gaaagccctg	cctggtaacc	tcacagctgc	agtgtatggaa	gcaaatcaaa	720
cagggcacga	gttccctgat	agatccttgg	agcaggtgct	gctacccccc	gtggacacct	780
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cccaggccat	aagaaacctg	tcttgcacg	tggaggccaa	ccgcccaggcc	atctccagag	900
tccaggacag	tgccgtggcc	agggctgact	tccaggagct	tgggtccaaa	tttggggcca	960
aggtccagga	gaacactcg	agagtgggtc	agctgcgaca	ggacgtggag	gaccgcctgc	1020
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aattgaagag	gctgcacaag	gctcaggagg	ccccaggac	aatggcagt	ctgggtttgg	1140
caacgcctgg	ggctggggca	aggcctgagc	cgacagccct	gcaggccagg	ctgggcccagc	1200
tgcagaggaa	cctctcagag	ctgcacatga	ccacggcccg	cagggaggag	gagttcaggt	1260
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tgcaggtgaa	ccacacggcg	ctccgtgagc	tgcgcgtgat	cctgatggag	aagtctctga	1440
tcatggagga	gaacaaggag	gaggtggagc	ggcagctcct	ggagctcaac	ctcacgctgc	1500
agcacctgca	gggtggccat	gccgaccta	tcaagtacgt	gaaggactgc	aattgccaga	1560
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agcacctgga	gcccagccac	gacgcccccc	cgaggaggc	cgccaccacc	gcccggcccg	2160
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cacttgcgc	cactcagcgc	agcttggagc	agcaccagcg	gctttccac	agccttcttg	2340
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gcmcgcgtct	ctggggaggca	ggatcccctg	tggccttcta	tgccagctt	tcagaaggga	2580
cgctgcgcct	gcagacagt	aagttaaca	ccacatacat	caacattggc	agcagctact	2640
tccctgaaca	tggctacttc	cgagcccttg	agcgtgggt	ctacctgtt	gcagtgagcg	2700
ttgaatttgg	cccaggcc	ggcaccgggc	agctgggtt	tggaggttac	catcgactc	2760
cagtctgtac	cactggcag	gggagtggaa	gcacacaa	ggtctttgc	atggctgagc	2820
tgcagaagg	tgagcgagta	tggtttggat	taacccagg	atcaataaca	aagagaagcc	2880
tgtcgccac	tgcatttgg	ggcttctg	tgtttaagac	ctgaacccca	gccccatct	2940
gatcagacat	catggactcg	cccagcttc	ctcgccctgg	ggctctggcc	aaggatgggc	3000
tggaggtcat	tcagttggc	tgtctttcc	ctggaaacct	tctgcaaaga	tgggttgg	3060
tacgtggctt	ccctgttaacc	acatggggct	tggcatttc	tccatgtatg	gaaggactgg	3120
aatgcttc	cggcaggac	atggctctag	gaagcctgaa	ccttggcttgc	gcatgccttc	3180

Homo sapiens heat shock 27kDa protein 1, mRNA (cDNA clone MGC:8509 IMAGE:2822325), complete cds.

ccgcctgcta	aaaataacccg	actggaggag	cataaaagcg	cagccgagcc	cagcgccccg	60
cacttttctg	agcagacgtc	cagagcagag	tcagccagca	tgaccgagcg	ccgcgtcccc	120
ttctcgctcc	tgccccccc	cagctggac	ccctcccgcg	actggtaccc	gcatagccgc	180
ctcttcgacc	aggccttcgg	gctgccccgg	ctgcggagg	agtggtcga	gtggttaggc	240
ggcagcagct	ggccaggcta	cgtgcgcccc	ctgccccccg	ccgccatcga	gagccccgca	300
gtggccgcgc	ccgcctacag	ccgcgcgc	agccggcaac	tcagcagcgg	ggtctcgag	360
atccggcaca	ctgcgacccg	ctggcgctg	tccctggatg	tcaaccactt	cgccccggac	420
gagctgacgg	tcaagaccaa	ggatggcgtg	gtggagatca	ccggcaagca	cgaggagcgg	480
caggacgagc	atggctacat	ctcccggtgc	ttcacgcgga	aatacacgct	gcccccgggt	540
gtggacccca	cccaagtttc	ctccctccctg	tccctgagg	gcacactgac	cgtggaggcc	600
cccatgcccc	agctagccac	gcagtccaa	gagatcaca	tcccagtac	cttcgagtcg	660
cgggcccagc	ttgggggccc	agaagctgca	aaatccgatg	agactgcgc	caagtaaagc	720
cttagccccc	atgcccaccc	ctgctgccgc	cactggctgt	gcctcccccg	ccacctgtgt	780
tttcttttga	tacatttatac	ttctgtttt	ctcaaataaa	gttcaaagca	ccccccaaaa	840
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa				867

Homo sapiens carcinoembryonic antigen (CGM2) mRNA, complete cds.

ccatgggttc cccttcagcc tgcatacata gagggtgcattccctggcag gggctcctgc	60
tcacagcctc gcttttaacc ttctggaaacc tgccaaacag tgcccagacc aatattgatg	120
tgcgtccgtt caatgtcgca gaagggaagg aggtccttct agtagtccat aatgagtccc	180
agaatcttta tggctacaac tggtaacaag gggaaagggt gcatgccaaac tatcgaatta	240
taggatatgt aaaaaatata agtcaagaaa atgccccagg gcccccacac aacggtcgag	300
agacaatata ccccaatgga accctgtga tccagaacgt tacccacaat gacgcaggat	360
tctataccct acacgttata aaagaaaaatc ttgtaatga agaagtaacc agacaattct	420
acgtattctc ggagccaccc aagccctcca tcaccagcaa caacttcaat ccggtgagaa	480
acaaaagatata tgggtttta acctgtcaac ctgagactca gaacacaacc tacctgtgg	540
ggtaaaacaa tcagagcctc ctggtcagtc ccaggctgct gctctccact gacaacagga	600
ccctcggtct actcagcgcc acaaagaatg acataggacc ctatgaatgt gaaatacaga	660
acccagtggg tgccagccgc agtgaccagg tcaccctgaa tgtccgctat gagtcagtac	720
aagcaagttc acctgacctc ttagctggga ccgctgtcag catcatgatt ggagtactgg	780
ctggatggc tctgatatac cagcatttgt g	811

Homo sapiens keratin 7, mRNA (cDNA clone MGC:3625 IMAGE:3610347), complete cds.

ctccttcctcg	cccgccgcta	ggtccatccc	ggcccagcca	ccatgtccat	ccacttcagc	60
tccccggtat	tcacctcgcg	ctcagccgcc	ttctcgggcc	gccccgccca	ggtgccctg	120
agctccgctc	gccccggcgg	ccttggcagc	agcagcctct	acggcctcg	cgccctcg	180
ccgcgcgtgg	ccgtgcgtc	tgcctatggg	ggcccggtgg	gccccggcat	ccgcgaggtc	240
accattaacc	agagcctgtc	ggccccgctg	cggctggacg	ccgacccctc	cctccagcgg	300
gtgcgccagg	aggagagcga	gcagatcaag	accctcaaca	acaagtttc	ctccttcatc	360
gacaagggtgc	ggtttctgga	gcagcagaac	aagctgctgg	agaccaagt	gacgctgctg	420
caggagcaga	agtcggccaa	gagcagccgc	ctcccagaca	tctttgaggc	ccagattgct	480
ggccttcggg	gtcagcttga	ggcactgcag	gtggatgggg	gccgcctgga	ggcggagctg	540
cggagcatgc	aggatgttgt	ggaggacttc	aagaataagt	acgaagatga	aatttaaccgc	600
cgcacagctg	ctgagaatga	gtttgtggg	ctgaagaagg	atgtggatgc	tgcctacatg	660
agcaagggtgg	agctggaggc	caaggtggat	gccctgaatg	atgagatcaa	cttcctcagg	720
accctcaatg	agacggagtt	gacagagctg	cagtcggaga	tctccgacac	atctgtggtg	780
ctgtccatgg	acaacagtcg	ctccctggac	ctggacggca	tcatcgctga	ggtaaggca	840
cagtatgagg	agatggccaa	atgcagccgg	gctgaggctg	aaggctggta	ccagaccaag	900
ttttagagacc	tccaggccca	ggctgggaag	catggggacg	acctccggaa	tacccggaat	960
gagatttcag	agatgaaccg	ggccatccag	aggctgcagg	ctgagatcga	caacatcaag	1020
aaccagcgtg	ccaagttgga	ggccgcccatt	gccgaggctg	aggagcgtgg	ggagctggcg	1080
ctcaaggatg	ctcgtgccaa	gcaggaggag	ctggaagccg	ccctgcagcg	ggccaaggcag	1140
gatatggcac	ggcagctgcg	tgagtaccag	gaactcatga	gctgtaaagct	ggccctggac	1200
atcgagatcg	ccaccttaccg	caagctgctg	gagggcgagg	agagccggtt	ggctggagat	1260
ggagtgggag	ccgtgaatat	ctctgtgatg	aattccactg	gtggcagtag	cagtggcggt	1320
ggcattgggc	tgaccctcgg	ggaaaccatg	ggcagcaatg	ccctgagctt	ctccagcagt	1380
gccccgtctg	ggctcctgaa	ggcttattcc	atccggaccg	catccgcag	tcgcaggagt	1440
gccccgcact	gagccgcctc	ccaccactcc	actcctccag	ccaccaccca	caatcacaag	1500
aagattccca	ccccctgcctc	ccatgcctgg	tcccaagaca	gtgagacagt	ctggaaagtg	1560
atgtcagaat	agtttccaat	aaagcagcct	cattctgagg	cctgagtgat	ccacgtaaaa	1620
aaaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1668

Homo sapiens hxCT mRNA for cystine/glutamate exchanger, complete cds.

cctgtgaaca	ctatagcgct	gagagagaca	gtctgaaagc	agaggaagac	atcgatcagt	60
aacaccaaga	gacaccaaag	ttgaaaagtt	tgtttctt	ccctctgtt	tattttccc	120
ccgtgtgtcc	ctactatgg	cagaaaaggct	gttgtgtcca	ccatctccaa	aggaggttac	180
ctgcagggaa	atgttaaacgg	gaggctgcct	tccctggca	acaaggagcc	acctgggcag	240
gagaaaagtgc	agctgaagag	gaaagtcact	ttactgaggg	gagtctcoat	tatcattggc	300
accatcattg	gagcaggaat	cttcatactct	cctaaggcg	tgctccagaa	cacgggcagc	360
gtgggcatgt	ctctgaccat	ctggacgggt	tgtgggtcc	tgtcactatt	tggagctttg	420
tcttatgtct	aattgggaac	aactataaaag	aaatctggag	gtcattacac	atataattttg	480
gaagtctttg	gtccattacc	agcttttgta	cgagtctggg	tggactct	cataatacgc	540
cctgcagcta	ctgctgtat	atccctggca	tttggacgct	acattctgga	accattttt	600
attcaatgtg	aaatccctga	acttgcgatc	aagctcatta	cagctgtggg	cataactgta	660
gtgatggtcc	taaatagcat	gagtgtcagc	tggagcgccc	ggatccagat	tttcttaacc	720
tttgcaagc	tcacagcaat	tctgataatt	atagtccctg	gagttatgca	gctaattaaa	780
ggtcaaacgc	agaactttaa	agacgcctt	tcaggaagag	attcaagtat	tacgcgggtg	840
ccactggctt	tttattatgg	aatgtatgca	tatgctggct	ggtittacct	caactttgtt	900
actgaagaag	tagaaaaacc	tgaaaaaacc	attccccctt	caatatgtat	atccatggcc	960
attgtcacca	ttggctatgt	gctgacaaat	gtggctact	ttacgaccat	taatgctgag	1020
gagctgctgc	tttcaaattgc	agtggcagtg	acctttctg	agcggctact	gggaaattc	1080
tcatttagcag	ttccgatctt	tgttgccctc	tcctgcttt	gctccatgaa	cggtgggtg	1140
tttgctgtct	ccaggttatt	ctatgttgcg	tctcgagagg	gtcaccttcc	agaaaatccct	1200
tccatgattc	atgtccgcaa	gcacactcct	ctaccagctg	ttattgttt	gcacccttt	1260
acaatgataa	tgctcttctc	tggagacctc	gacagtctt	tgaatttcct	cagttttgcc	1320
agtgggctt	ttattgggt	ggcagttgct	gggctgattt	atcttcgata	caaatgccc	1380
gatatgcata	gtccttcaa	gggccactg	ttcatcccag	ctttgtttc	cttacacatgc	1440
ctcttcatgg	ttgccccttc	cctctattcg	gaccattta	gtacagggt	tggottcgtc	1500
atcaactctga	ctggagtc	tgcgtattat	ctcttattat	tatggacaa	gaaacccagg	1560
tgttttagaa	taatgtcagg	gttcctagca	ctgatgcctg	cacaagcatg	tgatatgtga	1620
aataaaatgg	attcttctat	agctaaatga	gttccctctg	gggagagttc	tggtactgca	1680
atcacaatgc	cagatgggt	ttatggct	tttgtgtaa	taagtggtaa	gatgtatga	1740
agtaagtgtg	tttgtttca	tcttatggaa	actcttgatg	catgtgctt	tgtatggaa	1800
aaattttgg	gcaaatatgat	gtcattcaac	tttgcattga	attgaattt	ggttgttattt	1860
atatgtat	tacctgtcac	gttcttagtt	gttcaacca	ttttataacc	attttgcac	1920
atattttact	tggaaatatt	ttaaatggaa	attnaaataa	acatttgata	gtttacataaa	1980
	aaaaaaaaaa	aaaaaaaaaa				2000

Homo sapiens eukaryotic translation elongation factor 1 alpha 2, mRNA (cDNA clone MGC:8362 IMAGE:2819899), complete cds.

cactgcagcc	cccctcgccc	tgagccagag	cacccgggt	cccgccagcc	cctcacactc	60
ccagcaaaaat	gggcaaggag	aagacccaca	tcaacatcgt	ggtcatcgcc	cacgtggact	120
ccggaaagtcc	caccaccacg	ggccacaccta	tctacaaaatg	cggaggattt	gacaaaagga	180
ccattgagaa	gttcgagaag	gaggcggctg	agatgggaa	gggatccttc	aagtatgcct	240
gggtgctgga	caagctgaag	gcggagcgtg	agcgcggcat	caccatcgac	atctccctct	300
ggaagttcgaa	gaccaccaag	tactacatca	ccatcatcgta	tgccccggc	caccgcact	360
tcatcaagaa	catgatcact	ggtacatccc	aggcggactg	cgcagtgcgt	atctggcg	420
cgggcgtggg	cgagttcgag	gcgggcatact	ccaagaatgg	gcagacgcgg	gagcatgcc	480
tgtctggctta	cacgctgggt	gtgaagcagc	tcatcgtggg	cgtgaacaaa	atggactcca	540
cagagccggc	ctacagcgag	aagcgctacg	acgagatcgt	caaggaagtc	agccctaca	600
tcaagaagat	cggctacaac	ccggccaccc	tgccctttgt	gcccatctcc	ggctggcact	660
gtgacaacat	gctggagccc	tcccccacca	tgccgtggtt	caagggctgg	aagggtggagc	720
gttaaggaggg	caacgcacgc	ggcgtgtccc	tgctggaggc	cctggacacc	atctggccc	780
ccacgcgccc	cacggacaag	ccctcgcc	tgccgctgca	ggacgtgtac	aagattggcg	840
gcattggcac	ggtgcggcgt	gcgcgggtgg	agacggcat	cctgcggccg	ggcatggtgg	900
tgacctttgc	gccagtgaac	atcaccactg	aggtgaagtc	agtggagatg	caccacgagg	960
ctctgagcga	agctctgccc	ggcgacaaacg	tcggcttcaa	tgtgaagaac	gtgtcggtga	1020
aggacatccg	gccccggcaac	gtgtgtgggg	acagaagtc	tgacccggcc	caggaggctg	1080
ctcagttcac	ctcccaaggc	atcatcctga	accacccggg	gcagattagc	gcggctact	1140
ccccggtcat	cgactgcccac	acagccccaca	tcgcctgaa	gtttcgagg	ctgaaggaga	1200
agattgacccg	gcccgtctggc	aagaagctgg	aggacaaccc	caagtccctg	aagtctggag	1260
acgcggccat	cgtggagatg	gtgcggggaa	agcccatgtg	tgtggagac	ttctccctgt	1320
acccgcctct	cggccgttcc	gccgtgcgcg	acatgaggca	gacggtgccc	gtaggcgtca	1380
tcaagaacgt	ggagaagaag	agcggcgccg	ccggcaaggt	caccaagtgc	gcgcagaagg	1440
cgcagaaggc	gggcaagtga	agcgcggccg	cccgccgcgc	gaccctcccc	ggccgcgc	1500
cgctccgaac	ccccggcccg	ccccggcccc	gccccggccc	cgcgcgcgc	tccggcgccc	1560
cgcacccccc	ccaggcgcac	gtctgcaccc	ccgcttgcac	gaggccctcg	gtcagcgact	1620
ggatgctcgc	catcaaggc	cagtggaaat	tcttcaagag	gaaaggcgcc	cccgccccag	1680
gttccgcgc	ccagcgctcg	ccacgctcag	tgcccgcccc	accaataaac	tgagcgaccc	1740
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	a		1781

Homo sapiens cDNA clone:HEMBA1000726, 3' end, expressed in whole embryo mainly head.

gagacggagt ctcgctttc tcacccagg tggagtgcag tggcacaatc tcggctact	60
gcaacctcca cctcctgtgt ttaaacgatt ctcctgcttc agcctcctga gtagctggaa	120
ttacaggccc tgccaccacc cccccgttaa tttttgtcta tttttttt ttagtagaga	180
cggggtttca ccatgttggc tagtctggc ttgaactcct gactgaccc agacgaacca	240
cccgccctcag actcccaaag tgtcaggatt acaggcgtta gccaccatac ctggcctgct	300
cccgaggaaa acaagatgtt aattcccaat aatctgagag caatgtgtt atatgaatat	360
taattcttct aaatgaatat tcatccttat ttcctacttg tatagggttga tgaataaaga	420
tccaatagta taatagaaag actattagta agaatgccag aaggncagtc tcacgcacct	480
ggtaaaataa accaaccaac caacctgaan tctaaagctt gngtggcaag taccactgtg	540
ggaaagtgtt gaattaacnc tctttccta agggtc	576

Homo sapiens MDG1 mRNA, complete cds.

tagctggctg	agagggggact	gggcgcggc	ggggaaaggag	gagcgcctagg	tcgggtgtacg	
accgagatta	gggtgcgtgc	cagctccggg	aggccgcgg	gagggggccgg	gcccaagctg	120
ccgaccggag	ccgatcgta	gggtcgccag	cgcctcagct	ctgtggagga	gcagcagttag	180
tcggagggtg	caggatatta	gaaatggcta	ctccccagtc	aattttcata	tttgcataatct	240
gcattttaat	gataaacagaa	ttaattctgg	cctcaaaaag	ctactatgat	atcttaggtg	300
tgccaaaatc	ggcatcagag	cgccaaatca	agaaggcctt	tcacaagttg	gccatgaagt	360
accaccctga	caaaaataag	agcccgatg	ctgaagcaaa	attcagagag	attgcagaag	420
catatgaaac	actctcagat	gctaataagac	aaaaagagta	tgatacactt	ggacacagtg	480
cttttactag	tggtaaagga	caaagaggta	gtggaaagttc	ttttgagcag	tcatttaact	540
tcaattttga	tgacttattt	aaagactttg	gcttttttgg	tcaaaaaccaa	aacactggat	600
ccaagaagcg	tttgaaaat	catttccaga	cacgcccagg	ttgtggttcc	agttagacaaa	660
ggcatcattt	ccaagaattt	tctttggag	gtggattatt	tgatgacatg	tttgaagata	720
tggagaaaaat	gttttctttt	agtggtttg	actctaccaa	ttagcataca	gtacagactg	780
aaaatagatt	tcatggatct	agcaagcact	gcaggactgt	cactcaacga	agagggaaata	840
tggttactac	atacactgac	tgttcaggac	agtagttctt	attctattct	cactaaatcc	900
aactgggtga	ctcttcctca	ttatcttga	tgctaaacaa	ttttctgtga	actatttga	960
caagtgcatg	atttcacttt	aaacaatttg	atatacgat	taaatatatt	taagggtttt	1020
tttttttttg	acaaaattcaa	cattcaacga	gtagacaaaa	tgctaattat	ttccctgatt	1080
aggaaagttt	ctttaaaaaaa	cacgttaattt	tgccctagtgc	tttttctcta	cctgcccttg	1140
ggctcactaa	tatcaccagt	attattacca	agaaaatatt	gagtttacct	gattaaacctt	1200
taaaagttaa	ttgttagattt	aaatttgttg	aacctaata	tttttgcagt	gaaaccttta	1260
ctaatttcaa	gttgcatgtt	ctatgacatc	tgtgacttgc	gttgcagagt	gtacatgaaa	1320
ctgtataatt	gagtcatc	gtaaaggaga	acagtatctt	ggtaatttgc	tactgaaagg	1380
ttgagaaaagg	aatggtttga	tatttaccac	agcgctgtgc	ttttctacag	tagaactggg	1440
gtaaaaggaaaa	tggttttatt	gcccatagtc	atttaggctg	aaaaaaagtt	aaaaacttaa	1500
cgaaaatattg	ccaaagagatt	gttatgttt	tggttccagc	ctaaaaatga	ttttgttagt	1560
ttgaaatcat	agctacttac	atagctttt	catatttctt	tcttagttgt	ttggcactctt	1620
aggcttttagt	atggattttat	gtgtttgtgt	gtgtgttagtt	tatcctctct	ctcatcttta	1680
tctagagatt	gactgatacc	tcattctgtt	tgtaaaacca	gccagtaatt	tctgtgcaac	1740
cttactatgt	gcaatatttt	taaatcctga	gaaatgtgt	ttttgtttt	cgatagact	1800
tatttctta	gttctgcact	tttccacatt	atactccata	tgagtattaa	tcctatggat	1860
acatattaaa	acaagtgtct	catacaacat	tgtatgttag	agaaaatataa	atatttacaa	1920
cctgaaaaaa						1929

Homo sapiens prostate stem cell antigen (PSCA) mRNA, complete cds.

agggagaggc agtgaccatg aaggctgtgc tgcttgcctt gttgatggca ggcttggccc	60
tgcagccagg cactgccctg ctgtgctact cctgcaaagc ccagggtgagc aacgaggact	120
gcctgcaggt ggagaactgc acccagctgg gggagcagtg ctggaccgcg cgcatccgcg	180
cagttggcct cctgaccgtc atcagcaaag gctgoagctt gaactgcgtg gatgactcac	240
aggactacta cgtgggcaag aagaacatca cgtgatgtga caccgacttg tgcaacgcca	300
gcggggccca tgccctgcag ccggctgcgg ccatttcgc gctgctccct gcactcgccc	360
tgcgtctcg gggacccggc cagctataagg ctctgggggg ccccgctgca gcccacactg	420
gttgtggcgc cccaggcctt tggccactc ctcacagaac ctggcccaagt gggagccctgt	480
cctggttcct gagggcacatc ctaacgcaag ttgaccatg tatgtttgca cccctttcc	540
ccnaaccctg accttccccat gggccttttc caggattccn accnggcaga tcagtttttag	600
tganacanat ccgcntgcag atggcccttc caacccnttn tgttgntttt tccatggccc	660
acattttcc acccttaacc ctgtgttcag gcacttnttc ccccgagaaag ccttccctgc	720
ccacccatt tatgaattga gccaggttt gtccgtggtg tcccccgcac ccagcagggg	780
acaggcaatc aggagggccc agtaaaggct gagatgaagt ggactgagta gaactggagg	840
acaagagttg acgtgagttc ctgggagttt ccagagatgg ggcctggagg cctggaggaa	900
ggggccaggc ctcacatgg tgggntccc gaatggcagc ctgagcacag cgtaggccct	960
taataaacac ctgttggata agccaaaaaa	990

Human arginine-rich protein (ARP) gene, complete cds.

cttcggtcct	gctgttagtgc	cttctgcgcc	aggcccggtt	caatcagcgg	ccacaactgt	60
ctagggctca	gacaccacca	gccaatgagg	gagggcacgt	ggagccgcgt	ctgggctcgc	120
ggctcctgac	aatggggaa	gtggcatgtg	ggagggcgcc	ggggttcccc	ccgccaatgg	180
ggagctacgg	cgcgcggccg	ggacttggag	gcggtgcggc	gcggcgggtg	cgttcaagt	240
ggtcggcggc	ggcagcggag	gaggaggagg	aggaggagga	tgaggagat	gaggaggatg	300
tgggccacgc	aggggctggc	ggtgcgcgtg	gctctgagcg	tgctgccggg	cagccgggcg	360
ctgcggccgg	gcgactgcga	attttgtatt	tcttatctgg	gaagattta	ccaggacctc	420
aaagacagag	atgtcacatt	ctcaccagcc	actattgaaa	acgaacttat	aaagttctgc	480
cgggaagcaa	gagggaaaaga	gaatcggtg	tgctactata	tcggggccac	agatgatgca	540
gccaccaaaa	tcataaatga	ggtatcaaag	cctctggccc	accacatccc	tgtggagaag	600
atctgtgaga	agcttaagaa	gaaggacagc	cagatatgtg	agcttaagta	tgacaagcag	660
atcgacctga	gcacagtgg	cctgaagaag	ctccgagtt	aagagctgaa	gaagattctg	720
gatgactggg	gggagacatg	caaaggctgt	gcagaaaaagt	ctgactacat	ccggaagata	780
aatgaactga	tgcctaaata	tgcccccaag	gcagccagtg	caccgaccga	tttttagtct	840
gctcaatctc	tgttgcacct	gagggggaaa	aaacagttca	actgcttact	cccaaaacag	900
cctttttgt	atttattttt	taagtggct	cctgacaata	ctgtatcaga	tgtgaaggct	960
ggagctttcc	tgatgatgct	ggccctacag	taccccccatt	aggggattcc	cttccttctg	1020
ttgctggtgt	actctaggac	ttcaaagtgt	gtctggatt	tttttattaa	agaaaaaaaaaa	1080
tttctagctg	tcaaaaaaaaaaa	aaa				1103

Homo sapiens interleukin 11 receptor, alpha, transcript variant 1, mRNA
(cDNA clone MGC:2146 IMAGE:3502059), complete cds.

gggggctgt	a	gtggtgaga	gaaagtcc	ta	gaggctatgg	acactctgt	gtggatca	60
ccgagatgag	c	cagcagctgc	tca	ggggctga	gcagggct	gtggccgt	gtcacagccc	120
tggtgtctgc	c	tc	cccccc	tgccccca	cctggggcc	cccagggtc	cagatgggc	180
agccaggcag	g	tc	cgtaa	ctgtgttgc	ctggagtgc	tgccggggac	ccagtgtc	240
ggttcggga	t	ggggagcc	aagctgtcc	agggaccta	ctctgggta	gggcataac	300	
tggctctggc	cc	aggcagac	agca	ttgtat	aggcaccta	catctgccag	accctggatg	360
gtgcacttgg	gg	ccacagtg	accctgcagc	ttggctaccc	tccagccgc	cctgttgtct	420	
cctgccaagc	cc	gcccactat	gagaacttct	tttgacttgc	gagtcccagc	cagatcagcg	480	
gtttacccac	cc	cgctac	tc	ac	ttgtat	gatgtatgg	gtgtatagcc	540
agaggaggag	tcc	atccaca	gggccttggc	catgcccaca	ggatccccta	gggctgccc	600	
gctgtgttgt	cc	acggggct	gagttcttga	gccagtaccg	gattaatgt	actgaggtga	660	
acccacttgg	tg	ccagcaca	cgcc	ctgtgg	atgtgagctt	gcagagcatc	ttgcgcctg	720
acccacccca	gg	gcgtcg	gt	agagtca	taccaggta	ccccgcacgc	ctgcgagc	780
gctggacata	cc	ctgc	cttgc	ttggcgt	agcccactt	cctgtcaag	ttcggttgc	840
agtaccgtcc	gg	gcac	cat	ccagcctgtt	ccacgggt	gccagcttga	ctggaggagg	900
tgatcacaga	tg	ctgtgg	gggct	cccc	atgtgtac	agtca	gttgc	960
tagatgctgg	ca	cac	ctgg	ggag	cc	gggactcc	gggactt	1020
coataccaa	gg	agata	cca	gcat	gggg	actac	ac	1080
aggtggacag	cc	ctgt	cttgc	cca	aggcc	cc	cttcaacc	1140
acagggactc	tgt	ggagc	gt	ag	ctgt	ttt	ggatc	1200
gactggtgg	ttgg	ccct	gc	act	gggg	ttt	ggatc	1260
atggatcccc	aa	agcttgg	tt	cttgg	gg	ttt	ggatc	1320
ctccaaacct	gt	tagaggacc	cagg	gggt	ttt	ggatc	tttgc	1380
ctgggtgtgg	ta	gaaacc	gg	gggg	at	tttgc	tttgc	1440
ttctgtttgg	ag	cccattt	tgt	gagac	cc	tttgc	tttgc	1500
tgtacccctg	at	tttca	cc	ag	tttgc	tttgc	tttgc	1560
atctgtgtcc	at	gtgtgacc	at	gtgt	tttgc	tttgc	tttgc	1620
tgtatgttgg	tg	ccctggg	gt	gtgtgt	tttgc	tttgc	tttgc	1680
gggttgtgca	gg	gtgt	ata	aaga	tttgc	tttgc	tttgc	1740
aaaaaaaaaaaa	aaa	aaaa	aaa	aaaa	aaa	aaa	aaa	1783

Homo sapiens mRNA; cDNA DKFZp564O2071 (from clone DKFZp564O2071); complete cds

ggggcagca	ggcc	aaagg	gg	gggtgc	gag	cgtggac	ctg	ggacgggt	ct	ggcggtct	60
cgtggttgg	ca	cgggttc	ca	ac	cc	ttgttgc	ttt	gggttgc	ttt	gggttgc	120
tctcgctgac	cg	cg	cg	ct	cc	tc	tc	tc	tc	tc	180
gcctggcgt	ct	gt	ct	ca	tc	tc	tc	tc	tc	tc	240
tccttctgc	c	tc	tc	cc	cc	cc	cc	cc	cc	cc	300
tgggggtcgg	cg	ac	cc	gg	gg	gg	gg	gg	gg	gg	360
tgcgagtccc	t	gg	ac	gg	gg	gg	gg	gg	gg	gg	420
gatgggggt	cg	tt	cc	gg	gg	gg	gg	gg	gg	gg	480
gccaacctga	t	gc	ag	gt	gc	gg	gg	gg	gg	gg	540
cctgcgcgc	t	gt	gt	at	cc	cc	cc	cc	cc	cc	600
ctggcctaca	gc	gg	cc	tc	gg	gg	gg	gg	gg	gg	660
ggcaagagct	gc	cc	ac	gt	gc	ac	cc	cc	cc	cc	720
cagtcaccc	tc	gt	gt	tc	tc	tc	tc	tc	tc	tc	780
acttcggccca	ac	tc	tc	cc	cc	cc	cc	cc	cc	cc	840
ttccgagtc	t	ca	aa	gg	aa	gg	aa	gg	aa	gg	900
acttcaacct	g	gg	gg	cc	cc	cc	cc	cc	cc	cc	960
ggagataga	gg	ca	gg	gg	gg	gg	gg	gg	gg	gg	1020
ctaaagtgg	gg	gt	gg	gg	gg	gg	gg	gg	gg	gg	1080
ctgtgcattt	gg	ga	ca	ca	ca	ca	ca	ca	ca	ca	1140

acaaggcttc cagctggatg tgtgtgttagc atgtaccta ttatTTTGT tactgacagt 1200
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gttggcaggg gaggggctga gaggggtgggg gctgaaaccc cttcccgga ggagtgccat 1620
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cttgatgttc aagtattaag acctatgcaa tatttttac ttttctaata aacatgtttg 1740
ttaaaaacaaa aaaaaaaaaa aaaaaaaaaa

Homo sapiens collagen alpha 3 type IX (COL9A3) mRNA, complete cds.

atggccgggc	cgcgcgcgtg	cgcgcccgtc	ctgttcctgc	tccttcctcg	gcagtttctg	60
ggggccgccc	gggcgcagag	agtgggactc	cccgcccccc	ccggcccccc	aggcgccct	120
gggaagcccg	gccaggacgg	cattgacgga	gaagctggc	ctccaggtct	gcctggtccc	180
ccgggaccAA	agggggcccc	aggaaagccg	ggaaaacca	gagaggctgg	gctggccggga	240
ctgccccgggt	tggatggct	gactggacga	gatggacccc	ctggaccAA	gggtggccct	300
ggggAACGGG	gaagtctggg	aCCCCGGGG	ccggccggc	tggggggcaa	aggectccct	360
ggacccccc	gagaggcagg	agtgagcggc	cccccaagg	ggatcgccct	ccggggcccc	420
ccgggacccc	ctggactccc	cggccctccct	ggtccccccag	gaccccccgg	acccectggA	480
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cagggggaaAG	tccggcaagga	cggcgagaag	ggtgaccctg	ccccccctgg	ccccggccgc	660
ctcccgggca	gcgtggggct	gcagggcccc	cggggattac	gaggactgcc	aggccactc	720
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cctggggaaAG	cgggtgaccg	aggcgagagg	ggcccaaga	ggttccgcgg	ccccaaagggt	840
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ttagagaagg	taggtgtgt	atatataaaa	ggttgtgtac	aactccacga	ggtaaaaat	2340
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atatattaaa	tcttcagatt	aatgactg	tcacagat	aaaaaaataa	acaatttaat	2460
gtacagtaaa	ttctctccca					2480

Homo sapiens cDNA FLJ20113 fis, clone COL05437.

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ctcaggcaca	gaagcaggag	ccgctgggca	gcgactccga	aggtgttaac	tgtctggcct	120
atgatgaagg	catcatggct	cagcaggacc	gaattcagca	agagattgtc	gtcagaacc	180
ctctgggtgc	agagcggctg	gagctctcg	tcctatacaa	ggagtatgtc	gaagatgaca	240
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atgacagcaa	ggagttgcag	cggttcaagg	ctgtgtctgc	caagagcaag	gaagacctgg	420
tgtcccaggg	cttcactgaa	ttcacaattg	aggatttcca	caacacgttc	atgacactga	480
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gcacccctcg	ctaccttgc	gtctacactc	ggctgctcac	ctcgggctac	ctgcagcgcg	600
agagcaagtt	tttcgagcac	ttcatcgagg	gtggacggac	tgtcaaggag	ttctgccagc	660
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acgatatcc	ctacaaaatag	ggctggctcc	agcccgctgc	tgcctctgt	ccccccctctg	900
ccaggcgcta	gacatgtaca	gaggttttc	tgtgttgta	aatggtctta	tttcacccccc	960
ttcttcctgt	cacatgaccc	ccccccatgt	tttattaaag	gggggtgtgg	tggtgagccg	1020
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gagctccttg	ggggcaggcc	ctcaataaat	gtgaactgt	gctggccgca	aaaaaaaaaa	1740
aaaaaaaa						1747

01763146F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:4026010 5', mRNA sequence.

aattgatatt ttttgctgct tcctcgcccc aggagaaaagc atgtcaggac agagctgtt	60
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gttgtgcagt ttcatagatg ggtcaggagg tggacaagtg gggccagaga tgatggcagt	180
ccagcagcaa ctcccgtgc tcccttotct ttggcagag attctatttt tgacatttgc	240
acaagacagg tagggaaaagg ggacttgtgg tagtggacca tacctgggga ccaaaagaga	300
cccaactgtaa ttgatgcatt gtggccctgt atcttccctg tctcacactt ctttctccc	360
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aaccaggaaa tttagacagg gatctttac ctttggaaaa taggggttag gcatgaaggt	480
ggttgtgatt aagaagatgg tttgttatta aatagcatta aactgaaatt ga	532

Human plasma serine protease (protein C) inhibitor mRNA, complete cds.

aattccggca	gagctccgtt	tcctcataga	acaaagaaca	tccaccatgc	agctttcct	60
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tggaagaagg	gaagcctttt	gcaaataat	gagtgtcagt	tgcaggtgcc	aatgactaac	2100
tttttg						2106

Homo sapiens DKFZP586A0522 protein, mRNA (cDNA clone MGC:5320
IMAGE:2900478), complete cds.

ttagcaatgg	agcttaccat	ctttatccgt	agactggcca	tttacatcct	gacatttccc	60
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cagccctggcc	aacatggcaa	accctacta	aagataaaaa	aaaaaaaaaa	aa	2152

Homo sapiens calcium binding protein 1 (calbrain), mRNA (cDNA clone

ggtaggtgcc	tgttagaccaa	gctgctcagg	aggctgaggc	aggagaatca	cttgaatccg	60
ggagtcagag	gttgcagtga	gccaagatca	cgcactgca	ctccagcctg	ggcgacagag	120
tgcaactagcc	acacacaaaa	aaggaggggg	catgtttcca	ctttgccccca	gtccccacct	180
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agcggggatc	tggctgggt	aggacaagtc	tgtttggag	ctgggaggaa	tgacttagcc	360
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aaaaaaaaaa						1868

Homo sapiens TNNT1 gene, exons 1-11 (and joined CDS)

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aatagtgagg	aacctgaggc	acagagaggt	taagtaaccc	ttccagggtt	gcacagct	15660
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gaaagaaaaa	aaggaaggaa	ggaaggaaagg	aaaggatgg	tttagtcc	ggctggat	16440
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tggatgatca	aagcagcaaa	aagaagacgc	aagagaagag	ccacacagtc	tctttggaa	16620
gctgcaccag	tgacctgctt	tcgtctgagt	agcaccct	cctgcaagga	gattggc	16680
gtagattt						16689

Homo sapiens negative growth-regulatory protein MyD118 (MYD118) mRNA,
complete cds.

ccgcatccac tggattat aattgcaaca tgacgctgga agagctcgta	gcgtgcgaca	60
acgcggcgca gaagatgcag acggtagaccg ccgcgggtgga ggagcttttg	gtggccgctc	120
agcgccagga tcgcctcaca gtgggggtgt acgactcgcc caagttgtatg	aatgtggacc	180
cagacagcgt ggtcctctgc ctcttggcca ttgacgagga ggaggaggat	gacatcgccc	240
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aacccttccaa aaacaaccca acccacgagg accatcgaaaa	gcaggtcggtt ggagactgaa	660
gagaaagaga gagaggagaa gggagtgggg ggccgcgtgcc	gcctttccca tcacggagg	720
tccagactgt ccactcgaaa gtggagttag actgactgca	agccccaccc tccttggagac	780
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; cctcgacaag accacactt gggacttggg agctggggct	gaagttgtctc tgtacccatg	900
aaactcccaactt ttgcgaaatta ataagagaca atctattttgc	ttacttgcac ttgttattcg	960
aaccactgag agcgagatgg gaagcataga tatctatatt	tttatttcta ctatgaggc	1020
cttgtataaa atttctaaag cctcaaaaaaa	,	1050

yzl2f12.s1 Soares_multiple_sclerosis_2NbHMSP Homo sapiens cDNA clone
IMAGE:282863 3', mRNA sequence.

tggagaagga aggacagttt ttcttcctcc aagagtagcca atttgaccac tcccactaac	60
ctcaactcagc aaacaaaaca ggatgttagac ctggtttgc aaggagttt aatgagttct	120
gttccctgaa attaacagtg attagttaca ccaagcaaga gaagatataa tgtctcgctt	180
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ctggtttctt tccctcaatg aagatgnca ggtctgggtg tgaggagcac ctggcctcaa	480
ctggctggtc cacgctggcc ttcagcatgg ccaataagct ctttcctggc tcgcnnttga	540
aatgatctg tgctggana cctccctaann gcatgaagg	579

Homo sapiens synaptogyrin 3, mRNA (cDNA clone MGC:20003 IMAGE:4334996), complete cds.

cagcggccctc	gggcggggcc	ggccggacgg	acaggcggac	agaaggcgcc	aggggcgccg	60
gtcccggcc	ggccggccat	ggagggcgcc	tcctcgccg	cggccgcgc	aggggccgcc	120
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ttctccatcc	tcagctgggt	ggcgctcacc	gtgaaggccc	tgcagcggtt	ccgcctggc	600
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gagaccctgg	acaccagccc	caaagggtac	caggtcccc	cctactagcg	gctggcaggc	780
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ttacatttta	gtttagacca	attctgtgt	gatatttaag	tgaacatgtt	tacaattttt	1860
gttatatatca	ctctctccct	ctcctgaaag	accagagatt	gtgtatccc	agtgtcccat	1920
gttccgactg	cacccctttt	acaataaaga	ctgttaactga	gctgactgt	aaaaaaaaaa	1980
	aaaaaaaaaa	aaaaaaa				1996

Human 14 kd lectin mRNA, complete cds.

cttctgacag	ctggtgcgcc	tgccccggaa	catcctcctg	gactcaatca	tggcttgtgg	60
tctggtcgc	agcaacctga	atctcaaacc	tggagagtgc	tttcgagtgc	gaggcgaggt	120
ggctcctgac	gctaagagct	tctgtctgaa	cctgggcaaa	gacagcaaca	acctgtgcct	180
gcacttcaac	cctcgcttca	acgcccacgg	cgacgccaac	accatcggt	gcaacagcaa	240
ggacggcggg	gcctggggga	ccgagcagcg	ggaggctgtc	tttcccttcc	agcctggaag	300
tgttgagag	gtgtgcata	ctttcgacca	ggccaacctg	accgtcaagc	tgccagatgg	360
atacgaattc	aagttccca	accgcctcaa	cctggaggcc	atcaactaca	tggcagctga	420
cggtgacttc	aagatcaaat	gtgtggcctt	tgactgaaat	cagccagccc	atggccccc	480
ataaaaggcag	ctgcctctgc	tcccctg				507

Homo sapiens monocarboxylate transporter 2 (MCT2) mRNA, complete cds.

cgggcgcccc	ccctcgccca	gagaccagat	aaagatcaat	cttaagatgt	gatactttcc	60
tgtgaaacct	gaaaacaagg	gtatctggga	acccaaagact	ctgggactct	tggtgccaac	120
agagttactc	tgttacttga	atttccacta	gaggagcaga	aatgccacca	atgccaagt	180
ccccacacct	gcatccaccc	ccagatggag	gatgggggtt	gattgtggtt	ggagcaactt	240
ttatctccat	tggattttcc	tatgcattcc	ccaaagctgt	caccgtattc	ttcaaagaaa	300
ttcagcaa	atccacact	acctacagt	aaatagcatg	gatttcattcc	attatgctgg	360
ctgttatgt	cgcaggagg	cctgtaa	gtgttttgtt	gaataaatac	ggcagccggc	420
cggtgtgtat	agcaggaggc	ttattatgt	gtcttggaa	ggtgttggcc	tccttttagt	480
gcagcgtgtt	acagctgtac	ctcaactatgg	gattcattac	aggtttaggt	ttagccttca	540
acctgcaacc	cgcctaacc	ataattggca	aatacttcta	taggaagcga	cccatggcaa	600
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accttttaa	tactttggc	tggaaaggaa	gcttctgtat	tttggaaagt	ctactttga	720
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ctaaaaataa	gactgcaaa	acagaagatg	attcaagccc	aaagaaaatc	aaaacgaaga	840
aatcaacttgc	ggaaaaaagt	aataagtatt	tagatttctc	ccttttaag	catagaggat	900
ttctgtatata	tctgtctgg	aatgtcatta	tgttcttagg	tttttttgc	cccattatat	960
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aattttaaat	tagttttaa	aaacttactt	atttgggtag	ttaaattttg	agattatgca	1800
tagaaagaat	ccatgtata	gtttatttc	catacgtac	tctgggtgt	gtggttaaaa	1860
tactaattt	aaagtcttcc	agtgacttcc	ggtcttggtt	atatgga		1907

H.sapiens mRNA for gonadotropin-releasing hormone receptor, splice variant.

atggcaaaca	gtgcctctcc	tgaacagaat	caaaaatca	gttcagccat	caacaacagc	60
atccccactga	tgcagggcaa	cctccccact	ctgaccttgt	ctggaaagat	ccgagtgacg	120
gttactttct	tccttttct	gctctctgcg	acctttaatg	cttctttctt	gttgaaactt	180
cagaagtgg	cacagaagaa	agagaaagg	aaaaagctct	caagaatgaa	gctgcttta	240
aaacatctga	ccttagccaa	cctgttggag	actctgattt	tcatgccact	ggatggatg	300
tggaacatta	cagtccaatg	gtatgctgga	gagttactct	gcaaagtct	cagttatcta	360
aagctttct	ccatgtatgc	cccagccttc	atgatggtgg	tgatcagcct	ggaccgctcc	420
ctggctatca	cgagggccct	agctttgaaa	agcaacagca	aagtcggaca	gtccatggtt	480
ggcctggcct	ggatcctcag	tagtgtctt	gcaggaccac	agctgcctct	tcatcatccc	540
tctttcatac	atgctgatct	gcaatgaaa	aatcatcttc	accctgacac	gggtccttca	600
tcaggacccc	cacgaactac	aactgaatca	gtccaagaac	aatataccaa	gagcacggct	660
gaagactcta	aaaatgacgg	ttgcatttgc	cacttcattt	actgtctgct	ggactcccta	720
ctatgtccta	ggaatttgg	attggtttga	tcctgaaatg	ttaaacaggt	tgtcagaccc	780
agtaaatcac	ttcttcattt	tcttgcctt	tttaaaccca	tgctttgatc	cacttatcta	840
tgatatattt	tctctgtga					859

Homo sapiens midline 1 (MID1) mRNA, complete cds.

ctttttttgg ccggggccgca tgaatccggc cagcccaccc tgcttgaagg acctacaggt	60
ttgtcttttc cagatcagaa ctgaggaaca aaaaccccca tcctggaaa aatggggaaag	120
ctgatttcgc cgggttgctt ttgtcttgcg ggctcctgtc gggtcgggtg tttccgctct	180
gaagactgcg acgcgggctc cgatcgacgt cgctccctgc cggatgggtc atggattct	240
aaacatgagg cagatacgct atcagcttcc ttgggttttg ctgtatgcac aagagagctt	300
tgcctgaaga tggaaacact ggagttagaa ctgacccgtcc ctatgtctt ggagcttctt	360
gaggaccctc ttctactgtcc ctgcgcacac agcctctgtc tcaactgcgc ccacccatc	420
cttagtatcac actgtgccac caacgagtt gtggagtcc tcaccgcctt ccagtgcggc	480
acctgcggc atgtcatcac ctcagccag cgaggtctag acgggcctaa gcgcacatgc	540
accctacaga acatcatcgaa caggttccag aaagatcag tgagcggggcc caactctccc	600
agcgagaccc gtcgggagcg ggcctttgac gccaacacca tgacccgcgc cgagaaggc	660
cctgtccagt ttgtgacca ggatcctggc caggacgtg tgaagacctg tgtaacttgt	720
gaagtatcct actgtgacga gtgcctgaaa gccactcacc cgaataagaa gcccttaca	780
ggccatcgtc tgatttggcc aattccggac tctcacatcc gggggctgtat gtgttggag	840
catgaggatg agaagggtgaa tatgtactgt gtgaccgatg accagttaat ctgtccttg	900
tgtaaactgg ttggggggca cgcgcattcat cagggtggcag cttttagtga ggcgtatgac	960
aaatttgaagc aaaactttaga gagtaaccc accaaccttta ttaagaggaa cacagaactg	1020
gagacccttt tggctaaact catccaaacc tgtcaacatg ttgaagtcaa tgcatcacgt	1080
caagaagcca aatttgcacaga ggagtgtat ctttcatttgc agatcattca gcaaaagacga	1140
cagattatttgc gaaaccaagat caaagaaggaa aagggtatga ggcttcgcaactggctc	1200
cagatttgcacttgc actgcacccaa gtgcatttgc cggcgtatc cactcatc ccaacggaa	1260
cactctctgttgc aggagaatgtat tcatgcgcgtt tcctacaga ctgctaagaa tatcaccgg	1320
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tacccatcacttgc cttccaaaccttcc tcccaacatttgc agagaaggaa tctgcacatgc	1500
accatcacttgc tgcatttggc cttccatgtat gaggatccatc tggatccatc cgagctccatc	1560
tacccatatatgc tcacccggaca agccaacatgc gttatgtatgc tggaaatccaa cctcaatgac	1620
atgatagttatc ccaacatcaa gcagaaccac tacacggatc acggatgc gageggcacc	1680
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aagtttgcata caaacagccaa accattttaa ctggatccaa aatctgtca tcgaaaactg	1800
aagggttccatc atgataactt gacagttagaa cgtatgtatgc catcatccaa gaagatgcac	1860
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gtatgtatgc ttcaccatgc gtttccatgc atcggtatgc atagggtatgc aaacaagaga	2460
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cctttatgc tttatgc tttatgc tttatgc tttatgc tttatgc tttatgc tttatgc tttatgc	3240

atatcaattt tcctttgtc tccggggctg agtaaataaa catgttctgt cacaatagc	3300
agcaccactt tggattgatt ttgctctcca ggacatcagc acatggccct gatcagcact	3360
accacatcca aacataagtc actgaaaaac acttaatatt tatgagtgg taatgacaag	3420
ggacattgtt taaagtacta tttgcttagat tcatgcctca aaagttatta taaacagacc	3480
tttattaaac acatcttcaa agatgttagaa gtccctctat agtctagttt agtttacaat	3540
agagttgtaa gaccaaaaaaa aaaaaaaaaaaa aaaaa	3575

Homo sapiens IL-1 receptor accessory protein mRNA, complete cds.

tctcaaaagga	tgacacttct	gtgggtgtgt	gtgagtcttot	acttttatgg	aatccctgcaa	60
agtgtatgcct	cagaacgctg	cgatgactgg	ggactagaca	ccatgaggca	aatccaagtg	120
tttgaagatg	agccagctcg	catcaagtgc	ccactctttg	aacacttctt	gaaattcaac	180
tacagcacag	cccattcagc	tggccttaact	ctgatctgg	attggactag	gcaggaccgg	240
gacccttggagg	agccaattaa	cttccgcctc	cccgagaacc	gcatttagtaa	ggagaaaagat	300
gtgctgtgg	tccggcccac	tctcctcaat	gacactggca	actataacctg	catgttaagg	360
aacactacat	attgcagcaa	agttgcattt	cccttggaa	ttgttcaaaaa	agacagctgt	420
ttcaattccc	ccatgaaaact	cccagtgcatt	aaactgtata	tagaatatgg	cattcagagg	480
atcacttgtc	caaatgtaga	tggatatttt	ccttccagtg	tcaaaccgac	tatcacttgg	540
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agtttcctca	ttgccttaat	ttcaaaaat	ggaaaattaca	catgttgg	tacatatcca	660
aaaaatggac	gtacgttca	tctcaccagg	actctgactg	taaaggtagt	aggctctcca	720
aaaaatgcag	tgc(ccc)ctgt	gatccattca	cctaattgatc	atgtgtct	tgagaaaagaa	780
ccaggagagg	agctactcat	tccctgtacg	gtctatttt	gttttctgtat	ggattctcgc	840
aatgaggttt	ggtggaccat	tgatggaaaa	aaacactgatg	acatcaactat	tgatgtcacc	900
attaacgaaa	gtataagtca	tagtagaaca	gaagatgaaa	caagaactca	gattttgagc	960
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taccatgttt	actggctaga	gatggctcta	ttttaccggg	ctcattttgg	aacagatgaa	1200
accattttag	atggaaaaga	gtatgatatt	tatgttatcct	atgcaaggaa	tgccggaaagaa	1260
gaagaatttg	tattactgac	cctccgtgga	gttttggaga	atgaatttgg	atacaagctg	1320
tgcatctttg	accgagacag	tctgcctggg	ggaattgtca	cagatgagac	ttttagcttc	1380
attcagaaaa	gcagacgcct	cctgggtgtt	ctaaagcccc	actacgtgt	ccaggqaacc	1440
caagccctcc	tggagctcaa	ggctggcccta	gaaaatatgg	cctctcgggg	caacatcaac	1500
gtcatttttag	tacagtacaa	agctgtgaag	gaaacgaaagg	tgaaagagct	gaagagggct	1560
aagacggtgc	tcacggctat	taaatggaaa	ggggaaaaaaat	ccaagtatcc	acagggcagg	1620
ttctggaaagc	agtcgcagg	ggccatgcca	gtgaagaaaa	gtcccaggcg	gtctagcagt	1680
gatgagcagg	gcctctcgta	ttcatctttg	aaaaatgtat	gaaaggaata	atgaaaagga	1740

Homo sapiens clone FLB0708 mRNA sequence.

ccaaagggtg	ggaacaatct	aatatgtccaa	cagatgaatg	aatttttaaa	aagtggata	60
tatacataca	ttgagatatt	attcagcctt	aaaaaagaag	aaaaatcatg	gccgggcgcg	120
gtggctcacg	cctgtaatcc	cagcactttg	ggaggccgag	acgagcgaat	cacgaggtca	180
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agaatggcat	gaaccggga	ggcggagctt	gcagtgagcc	gagatcgcgc	cactgcactc	360
cagcctgggc	gacagagcga	gactccgtct	aaaaaaaaaa	aaaaggaaaa	aatcctgcca	420
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gaaagtaaaa	tttgtgtgc	caatggttca	gggtaaaaaa	aaggaggtt	gtgtttaatg	600
ggttaagaggt	tcagttcgc	aagacaaaag	atttctggat	atttgttgc	caacagtatg	660
agtataatta	atgctacaga	actgtttagaa	aagagtctct	ttcagattt	gatactagaa	720
aatgtatgag	taaaaatcga	tgtctgaat	ttgccttcaa	ataatotgaa	ggctgggtgg	780
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agtgggtttt	ttataccatt	ctctctctac	ttttgtgtat	tttggaaatt	ttccatcata	900
aaggagtttt	taaaaaccca	acattatcaa	aatggaaaaat	aatcaataca	agtgttggat	960
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cggtatcct	aaaagccatg	gctgtgcgc	gcggc当地	tgaccgactt	tttccctggc	1740
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cgaccgc当地	ttc当地	aaaaaa				1825